

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
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Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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Driving the Lighting Revolution

LED DRIVER CATALOGUE

SOLUTIONS

Outdoor Single Channel CC LED Driver



Multiple Channel CC LED Driver



Programmable LED Driver



Single Channel CV LED Driver



Indoor CC LED Driver



Intelligent Controller



► Features

- Efficiency: 95%
- PF: 0.99
- Long life: > 50,000 hours and 5 years warranty available
- High reliability: MTBF is over 200,000 hours
- Operating Temperature: -40~70°C, compliance with related surge, safety and EMC standards
- Waterproof: IP67
- Input voltage: Global power grid range (90-305 Vac and 249-528 Vac)

CONTENTS

LED Driver Part Number Scheme		001
Outdoor Single Channel CC (36W-320W)	EUC-036S	002
	EUC-042S	003 <i>New</i>
	EUC-052S	004
	EUC-060S	005
	EUC-075S	006
	EUC-075S(Class II)	007
	EUC-075S(-55°C)	008 <i>New</i>
	EBC-075S	009 <i>New</i>
	EUC-085S	010
	EUC-096S	011
	EUC-100S	012
	EBC-100S	013 <i>New</i>
	EUC-120S	014
	EUC-150S	015
	EUC-150S(Class II)	016
	EBC-150S	017
	EUC-200S	018
EBC-255S	019 <i>New</i>	
EUC-320S	020	
Multiple Channel CC (42W-240W)	LUC-042D	021
	LUC-066T	022
	LUC-072Q	023
	EUC-100D	024
	EUC-108T	025
	EUC-120T	026
	EUC-144Q	027
	EUC-160Q	028
	EUC-180P	029
	EUC-200P	030
EUC-240H	031	
Programmable (60W-255W)	LUD-060S	032
	EBC-075S	033 <i>New</i>
	EUD-096S	034
	EBC-100S	035 <i>New</i>
	EUD-150S	036
	EBC-150S	037 <i>New</i>
	EUD-200S	038
	EUD-240S	039
EBC-255S	040 <i>New</i>	
Single Channel CV (26W-500W)	EUV-026S	041
	EUV-036S	042
	EUV-042S	043
	EUV-052S	044
	EUV-076S	045

CONTENTS

EUV-096S	046	Single Channel CV (28W-500W)
EUV-100S	047	
EUV-150S	048	
EUV-200S	049	
EUV-250S	050	
EUV-300S	051	
EBV-500S	052	
LTC-040S	053	High Voltage Input (40W-500W)
ESC-075S	054	
ESC-150S	055	
ETC-150S	056	
ESD-240S	057	
ETV-300S	058	
ESD-320S	059 ^{New}	
ETV-500S	060	
LUC-010S	061	Indoor CC (10W-42W)
LUC-012S	062	
LLC-012S	063	
LUC-018S	064	
LWC-018S	065	
LUC-024S	066	
LUC-024S(Independent)	067	
LWC-024S	068	
LHC-024S	069	
LLC-024S	070	
EUC-026S	071	
LUC-026S(Metal Case)	072 ^{New}	
LHC-028S	073	
LLC-028S	074	
LUC-040S	075	
LUC-040S(Metal Case)	076 ^{New}	
LLC-040S	077	
EUC-042S	078	
LUC-042S	079	
LUC-042S(Independent)	080	
LUC-042S(Studs Box)	081	
LUC-052S(Metal Case)	082	
CDD-CNPNx	083	Intelligent Controller
TDD-ANPNx	084	
SDD-AAPNx	085	
SDD-ADFNx	086	
WDS-ADFN	087	
SDD-APFNx	088	
PU-20KX10kTXX	089 ^{New}	Surge Protective Device
PU-20KD10kSVG	090 ^{New}	SPD and IOVP

INVENTRONICS Part Number Scheme (LED Driver)

EUC - 150S070DVAXXX

Series 1 Alpha Character

E	Outdoor AC/DC LED Driver
L	Indoor LED Driver
N	Non-isolated LED Driver

Input Range 1 Alpha Character

U	90-305Vac
B	175-305Vac
S	240-628Vac
T	312-628Vac
L	90-132Vac
W	60-284Vac
M	175-284Vac

Type 1 Alpha Character

D	Adjustable Output Current with Digital Interface
C	Constant Current Output
V	Constant Voltage Output

Output Power 3 Numeric Characters

150	150W
075	75W
1W5	1.5W

No. of Outputs 1 Alpha Character

S	Single
D	Dual
T	Triple
Q	Quad
P	Pentad
H	Hexad

Output Voltage/Current 3 Numeric Characters

880	980mA	054	54V
140	1400mA	042	42V
105	1050mA	038	38V
070	700mA	024	24V
035	350mA	2V5	2.5V

Standard Features 1 Alpha Character

00	Standard Product
A0	Non-Programmable
D0	With Waterproof Connectors on both Output Wire and Dimming Wire
S0	With Waterproof Connector on Output Wire
V0	With Waterproof Connector on Dimming Wire
xx	Modified Version

Supplier Indicator 1 Alpha Character

xx	See the Sheet of Supplier Indicator
00	Standard Product

Case Feature 1 Alpha Character

-	Outdoor Products
A	New Enhanced Outdoor Product
Y	Outdoor Extremely Cold Application down to below -55°C
M	Outdoor/Indoor Metal Case (Normal Rectangle)
F	Indoor Long and Slim Metal Case
C	Indoor High Accuracy Output Current
W	Independent Indoor Product with Terminal Block
P	Indoor Standard Plastic Case
E	Indoor Standard Plastic Case with Terminal Block
R	Indoor Round Case
G	Indoor Studs Box Type

Input Cable Indicator 1 Alpha Character

S	Standard, 2 Pin, UL
T	Standard, 3 Pin, UL
D	Standard, 2 Pin, VDE
V	Standard, 3 Pin, VDE

Options & Modes 1 Alpha Character

D	0-10V Dimming Control
B	Dim
G	DimX512
R	Triac Dimming Control
S	Standard (Non Dimming)

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CC

High Voltage Input

Indoor CC

Intelligent Controller

Break Protective Device

SPC and IOP



► Features

- High Efficiency (Up to 89%)
- Active Power Factor Correction (Typical 0.96)
- Constant Current Output
- Lightning Protection
- Waterproof (IP67)
- Dimming Control
- Class2, SELV
- All-Around Protection: OVP, SCP, OLP, OTP
- UL, FCC, CE, CB, TUV, CCC, PSE Certification

Electrical Properties	
Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.96@120Vac, 0.95@220Vac
Input AC Current	0.6A _{max} @100Vac, 0.3A _{max} @220Vac
Efficiency	89%(typ.)@120Vac(full load) , 89%(typ.)@220Vac(full load)
Max. Output Power	36W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OTP,SCP,OVP,OLP

Environmental Specifications	
Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	371,000 hours Ta=25°C
Life Time	111,700 hours Tc=60°C
Dimensions (L×W×H)	172×42.4×34 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-036S035ST(SV)	350 mA	-	52–103 Vdc	89%	89%
EUC-036S045ST(SV)	450 mA	-	40–80 Vdc	88%	88%
EUC-036S070ST(SV)	700 mA	-	26–52 Vdc	87%	88%
EUC-036S105ST(SV)	1050 mA	-	18–35 Vdc	86%	87%
EUC-036S140ST(SV)	1400 mA	-	13–26 Vdc	86%	86%
EUC-036S175ST(SV)	1750 mA	-	11–21 Vdc	85%	85%
EUC-036S035DT(DV)	350 mA	0-10V	52–103 Vdc	89%	89%
EUC-036S045DT(DV)	450 mA	0-10V	40–80 Vdc	88%	88%
EUC-036S070DT(DV)	700 mA	0-10V	26–52 Vdc	87%	88%
EUC-036S105DT(DV)	1050 mA	0-10V	18–35 Vdc	86%	87%
EUC-036S140DT(DV)	1400 mA	0-10V	13–26 Vdc	86%	86%
EUC-036S175DT(DV)	1750 mA	0-10V	11–21 Vdc	85%	85%



► Features

- Ultra High Efficiency (Up to 90%)
- Constant Current Output
- Surge Protection Level 4kV DM, 6kV CM
- 0-10V Dimmable to 10%
- Auxiliary Source Current Capability(200 mA)
- Waterproof (IP66) and Damp Location
- All-Around Protection: OVP, SCP, OTP
- Class 2 Output, SELV
- Suitable for EU Built-in Use
- UL,FCC,CB,TUV,ENEC,CE Certification

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Isolated CC

Load/Power Constant

Surge Protection Device

IP66 and IP67

Electrical Properties	
Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.98@120Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@100Vac, 0.3A(max.)@220Vac
Efficiency	88.5%(typ.)@120Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@120Vac, <0.6s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	573,000 hours Ta=25°C
Life Time	120,000 hours Tc=60°C
Dimensions (L×W×H)	114 × 67.5 × 36.5(mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EM @120Vac	EM @220Vac
EUC-042S035STM(SVM)	350 mA	-	60–120Vdc	88.5%	90%
EUC-042S070STM(SVM)	700 mA	-	28–56 Vdc	88.5%	89.5%
EUC-042S105STM(SVM)	1050 mA	-	20–40 Vdc	87%	88%
EUC-042S140STM(SVM)	1400 mA	-	15–30 Vdc	87%	88%
EUC-042S035DTM(DVM)	350 mA	0-10V	60–120Vdc	88.5%	90%
EUC-042S070DTM(DVM)	700 mA	0-10V	28–56 Vdc	88.5%	89.5%
EUC-042S105DTM(DVM)	1050 mA	0-10V	20–40 Vdc	87%	88%
EUC-042S140DTM(DVM)	1400 mA	0-10V	15–30 Vdc	87%	88%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Power

Indoor CC

Intelligent Controller

Single Programmable Device

5V/10V



► Features

- High Efficiency (Up to 90%)
- Active Power Factor Correction (Typical 0.96)
- Constant Current Output
- Lightning Protection
- Waterproof (IP67)
- Dimming Control
- Class2, SELV
- All-Around Protection: OVP, SCP, OLP, OTP
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.96@120Vac, 0.95@220Vac
Input AC Current	0.8Amax.@100Vac, 0.4Amax.@220Vac
Efficiency	89%(typ.)@120Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	52W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.0s@120Vac, <0.5s@220Vac
Protection Functions	OTP,SCP,OVP, OLP

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	321,000 hours Ta=25°C
Life Time	93,300 hours Tc=60°C
Dimensions (L×W×H)	172×42.4×34 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-052S0355T(SV)	350 mA	-	75–149 Vdc	89%	90%
EUC-052S0455T(SV)	450 mA	-	58–116 Vdc	88%	89%
EUC-052S0705T(SV)	700 mA	-	38–75 Vdc	88%	89%
EUC-052S1055T(SV)	1050 mA	-	25–50 Vdc	87%	88%
EUC-052S1405T(SV)	1400 mA	-	19–37 Vdc	86%	87%
EUC-052S2105T(SV)	2100 mA	-	13–25 Vdc	85%	86%
EUC-052S035DT(DV)	350 mA	0-10V	75–149 Vdc	89%	90%
EUC-052S045DT(DV)	450 mA	0-10V	58–116 Vdc	88%	89%
EUC-052S070DT(DV)	700 mA	0-10V	38–75 Vdc	88%	89%
EUC-052S105DT(DV)	1050 mA	0-10V	25–50 Vdc	87%	88%
EUC-052S140DT(DV)	1400 mA	0-10V	19–37 Vdc	86%	87%
EUC-052S210DT(DV)	2100 mA	0-10V	13–25 Vdc	85%	86%
EUC-052S1050TC*	1050 mA	0-10V	25–50 Vdc	87.5%	89%

*C suffixed model has highly precise output current at minimum dimming level
(Details refer to datasheet)



► Features

- High Efficiency (Up to 90%)
- Active Power Factor Correction (Up to 0.99)
- Constant Current Output
- Lightning Protection
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67) and Damp & Wet Location
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	0.8Amax @100Vac, 0.36Amax @220Vac
Efficiency	88%(typ.)@120Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	60W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.2s@110Vac. <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications

Operating Temperature	-35-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	367,000 hours Ta=25°C
Life Time	>60,000 hours Tc=60°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-060S035ST(SV)	350 mA	85-170 Vdc	88%	90%
EUC-060S045ST(SV)	450 mA	67-134 Vdc	88%	90%
EUC-060S070ST(SV)	700 mA	43-86 Vdc	88%	90%
EUC-060S105ST(SV)	1050 mA	29-58 Vdc	87%	89%
EUC-060S140ST(SV)	1400 mA	21-43 Vdc	87%	89%
EUC-060S170ST(SV)	1700 mA	18-36 Vdc	87%	89%
EUC-060S230ST(SV)	2300 mA	13-27 Vdc	86%	88%
EUC-060S330ST(SV)	3300 mA	9-18 Vdc	86%	88%
EUC-060S500ST(SV)	5000 mA	6-12 Vdc	85%	87%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Control

Surge Protective Device

SPV and OVP

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Linear CC

Intelligent Controller

Single Protective Device

3FB and IOP



► Features

- High Efficiency (Up to 90%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67) and Damp & Wet Location
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	0.9A _{max} @ 100Vac, 0.42A _{max} @ 220Vac
Efficiency	88%(typ.)@120Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.2s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	320,000 hours Ta=25°C
Life Time	107,000 hours Tc=60°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @120Vac	Eff @220Vac
EUC-075S035ST(SV)	350 mA	-	107-214 Vdc	88%	90%
EUC-075S045ST(SV)	450 mA	-	83-166 Vdc	88%	90%
EUC-075S070ST(SV)	700 mA	-	54-108 Vdc	88%	90%
EUC-075S105ST(SV)	1050 mA	-	36-72 Vdc	87%	89%
EUC-075S140ST(SV)	1400 mA	-	27-54 Vdc	87%	89%
EUC-075S210ST(SV)	2100 mA	-	18-36 Vdc	86%	88%
EUC-075S280ST(SV)	2800 mA	-	13-27 Vdc	86%	88%
EUC-075S375ST(SV)	3750 mA	-	10-20 Vdc	85%	87%
EUC-075S500ST(SV)	5000 mA	-	7-15 Vdc	84%	86%
EUC-075S035DT(DV)	350 mA	0–10V	107-214 Vdc	88%	90%
EUC-075S045DT(DV)	450 mA	0–10V	83-166 Vdc	88%	90%
EUC-075S070DT(DV)	700 mA	0–10V	54-108 Vdc	88%	90%
EUC-075S105DT(DV)	1050 mA	0–10V	36-72 Vdc	87%	89%
EUC-075S140DT(DV)	1400 mA	0–10V	27-54 Vdc	87%	89%
EUC-075S210DT(DV)	2100 mA	0–10V	18-36 Vdc	86%	88%
EUC-075S280DT(DV)	2800 mA	0–10V	13-27 Vdc	86%	88%
EUC-075S375DT(DV)	3750 mA	0–10V	10-20 Vdc	85%	87%
EUC-075S500DT(DV)	5000 mA	0–10V	7-15 Vdc	84%	86%



Class II

► Features

- Constant Current Output
- Active Power Factor Correction (0.99 Typical)
- Compact Package Design
- Dimming Control
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof IP67, Class II with Double Isolation
- CE, CB, ENEC Certification

Electrical Properties	
Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	0.9A _{max} @100Vac, 0.42A _{max} @220Vac
Efficiency	88%(typ.)@120Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<2.0s@120 Vac, <1.0s@220 Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications	
Operating Temperature	-40–70°C
Storage Temperature	-40–90°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	380,000 hours Ta=25°C
Life Time	118,000 hours Tc=60°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-075S070SD	700 mA	-	54–108Vdc	88%	90%
EUC-075S070DD	700 mA	0–10V	54–108Vdc	88%	90%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage

Wide CC

Intelligent Controller

Surge Protective Device

LED dim 0Vp



Outdoor Single Channel CC

Multiple Channels CC

Programmable

Single Channel CV

LED Input

Outdoor DC

Intelligent Controller

Single Positive Output

SPD and OVP



► Features

- High Efficiency (Up to 91%)
- Constant Current Output
- Extreme Cold Temperature Operation Down to -55°C
- 0-10V Dimming Control
- Lightning Protection
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- SELV Output
- TUV,CE,CB Certification

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	0.9A(max.)@100Vac, 0.42A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5
Turn on Delay Time	<3.0 s@ 120Vac, <3.0 s@ 220Vac <40 s@ 120Vac, <40 s@ 220Vac (-35°C~-10°C) <150s@ 120Vac, <150s@ 220Vac (-55°C~-35°C)
Protection Functions	OVP,OTP,SCP

Environmental Specifications

Operating Temperature	-55~70°C
Storage Temperature	-55~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection
MTBF	514,000 hours Ta=25°C
Life Time	118,000 hours Tc=60°C
Dimensions (L×W×H)	158×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @120Vac	Eff @220Vac
EUC-075S0700VY(SVY)	700 mA	0-10V	54~108 V	89%	91%



► Features

- High Efficiency (Up to 89.5%)
- Constant Current Output
- Compact Package Design
- Factory-set Output Current
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC, CE, TUV, CB Certification

Electrical Properties

Input Voltage	176-305 Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.98@220Vac
Input AC Current	0.42 A (max.)@ 220Vac
Efficiency	89.5%(typ.) @ 220Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5 s@ 220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications

Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	445,000 hours Ta=25°C
Life Time	120,000 hours Tc=60°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @220Vac
EBC-07551055V-000a	700-1050 mA	-	43-107 Vdc	89.5%
EBC-07552305V-000y	1700-2500 mA	-	18-44Vdc	89%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Wide DC

Universal Capacitor

Surge Protective Device

SMD and TO18

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Low Voltage Input

Intelligent Controller

Simple Protective Device

IPD and JTVF



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67) and Damp & Wet Location
- UL,FCC,CE,CB,TUV,PSE Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	1.1A _{max} @100Vac, 0.5A _{max} @220Vac
Efficiency	89%(typ.)@120Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	85W
Output Current Tolerance	±5%
Line Regulation	±2%
Load Regulation	±3%
Turn-on Delay Time	<3s@110Vac, <1s@220Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications

Operating Temperature	-40–65°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	237,000 hours Ta=25°C
Life Time	101,000 hours Tc=60°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-0B5S035ST(SV)	350 mA	-	122–243 Vdc	89%	91%
EUC-0B5S045ST(SV)	450 mA	-	95–189 Vdc	89%	91%
EUC-0B5S070ST(SV)	700 mA	-	61–121 Vdc	88%	90%
EUC-0B5S105ST(SV)	1050 mA	-	41–81 Vdc	88%	90%
EUC-0B5S140ST(SV)	1400 mA	-	31–61 Vdc	88%	90%
EUC-0B5S175ST(SV)	1750 mA	-	25–49 Vdc	88%	90%
EUC-0B5S200ST(SV)	2000 mA	-	22–43 Vdc	88%	90%
EUC-0B5S245ST(SV)	2450 mA	-	18–35 Vdc	87%	89%
EUC-0B5S280ST(SV)	2800 mA	-	16–30 Vdc	87%	89%
EUC-0B5S035DT(DV)	350 mA	0–10V	122–243 Vdc	89%	91%
EUC-0B5S045DT(DV)	450 mA	0–10V	95–189 Vdc	89%	91%
EUC-0B5S070DT(DV)	700 mA	0–10V	61–121 Vdc	88%	90%
EUC-0B5S105DT(DV)	1050 mA	0–10V	41–81 Vdc	88%	90%
EUC-0B5S140DT(DV)	1400 mA	0–10V	31–61 Vdc	88%	90%
EUC-0B5S175DT(DV)	1750 mA	0–10V	25–49 Vdc	88%	90%
EUC-0B5S200DT(DV)	2000 mA	0–10V	22–43 Vdc	88%	90%
EUC-0B5S245DT(DV)	2450 mA	0–10V	18–35 Vdc	87%	89%
EUC-0B5S280DT(DV)	2800 mA	0–10V	16–30 Vdc	87%	89%



► Features

- Ultra High Efficiency (Up to 91%)
- High Power Factor (0.99 Typical)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable For Dry, Damp and Wet location
- UL,FCC,CE,CB,TUV,CCC Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	1.2A _{max} @100Vac, 0.6A _{max} @220Vac
Efficiency	89%(typ.)@120Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	96W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<2s@120Vac, <2s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	202,000 hours Ta=25°C
Life Time	56,600 hours Tc=60°C
Dimensions (L×W×H)	174×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EH.@120Vac	EH.@220Vac
EUC-096S035ST(SV)	350 mA	-	137-274 Vdc	89%	91%
EUC-096S045ST(SV)	450 mA	-	106-213 Vdc	89%	91%
EUC-096S070ST(SV)	700 mA	-	68-137 Vdc	88%	90%
EUC-096S105ST(SV)	1050 mA	-	46-92 Vdc	88%	90%
EUC-096S140ST(SV)	1400 mA	-	35-69 Vdc	87%	89%
EUC-096S175ST(SV)	1750 mA	-	27-54.8 Vdc	87%	89%
EUC-096S210ST(SV)	2100 mA	-	22-45.7 Vdc	86%	88%
EUC-096S245ST(SV)	2450 mA	-	19-39.1 Vdc	86%	88%
EUC-096S280ST(SV)	2800 mA	-	17-34.2 Vdc	86%	88%
EUC-096S315ST(SV)	3150 mA	-	15-30.4 Vdc	85%	87%
EUC-096S350ST(SV)	3500 mA	-	13-27.4 Vdc	85%	87%
EUC-096S400ST(SV)	4000 mA	-	12-24 Vdc	85%	87%
EUC-096S035SDT(DV)	350 mA	0-10V	137-274 Vdc	89%	91%
EUC-096S045SDT(DV)	450 mA	0-10V	106-213 Vdc	89%	91%
EUC-096S070SDT(DV)	700 mA	0-10V	68-137 Vdc	88%	90%
EUC-096S105SDT(DV)	1050 mA	0-10V	46-92 Vdc	88%	90%
EUC-096S140SDT(DV)	1400 mA	0-10V	35-69 Vdc	87%	89%
EUC-096S175SDT(DV)	1750 mA	0-10V	27-54.8 Vdc	87%	89%
EUC-096S210SDT(DV)	2100 mA	0-10V	22-45.7 Vdc	86%	88%
EUC-096S245SDT(DV)	2450 mA	0-10V	19-39.1 Vdc	86%	88%
EUC-096S280SDT(DV)	2800 mA	0-10V	17-34.2 Vdc	86%	88%
EUC-096S315SDT(DV)	3150 mA	0-10V	15-30.4 Vdc	85%	87%
EUC-096S350SDT(DV)	3500 mA	0-10V	13-27.4 Vdc	85%	87%
EUC-096S400SDT(DV)	4000 mA	0-10V	12-24 Vdc	85%	87%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Isolated CC

Intelligent Capacitor

Simple Protective Device

IP67

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Input

Indoor CC

Highly Configurable

Some Products Offer Dimming

SCP and OVP



► Features

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- UL,FCC,CE,CB,TUV,CCC,PSE,KC_SAA Certification

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	1.3A _{max} @110Vac, 0.6A _{max} @220Vac
Efficiency	89%(typ.)@120Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	100W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.5s@110Vac, <1.0s@220Vac
Protection Functions	OTP,OVP,SCP

Environmental Specifications

Operating Temperature	-35~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection
MTBF	250,000 hours Ta=25°C
Life Time	75,500 hours Tc=60°C
Dimensions (L×W×H)	194 = 67.5 × 36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-100S0355T(SV)	350 mA	-	172~286 Vdc	89%	91%
EUC-100S0455T(SV)	450 mA	-	132~222 Vdc	89%	91%
EUC-100S0705T(SV)	700 mA	-	86~143 Vdc	88.5%	90.5%
EUC-100S1055T(SV)	1050 mA	-	57~95 Vdc	88.5%	90.5%
EUC-100S1405T(SV)	1400 mA	-	43~71 Vdc	88.5%	90.5%
EUC-100S1755T(SV)	1750 mA	-	34~57 Vdc	88.5%	90.5%
EUC-100S2105T(SV)	2100 mA	-	29~48 Vdc	88.5%	90.5%
EUC-100S2455T(SV)	2450 mA	-	25~41 Vdc	88.5%	90.5%
EUC-100S2805T(SV)	2800 mA	-	22~36 Vdc	88%	90%
EUC-100S3155T(SV)	3150 mA	-	19~32 Vdc	88%	90%
EUC-100S3575T(SV)	3570 mA	-	17~28 Vdc	88%	90%
EUC-100S4205T(SV)	4200 mA	-	14~24 Vdc	87%	89%
EUC-100S035DT(DV)	350 mA	0-10V	172~286 Vdc	89%	91%
EUC-100S045DT(DV)	450 mA	0-10V	132~222 Vdc	89%	91%
EUC-100S070DT(DV)	700 mA	0-10V	86~143 Vdc	88.5%	90.5%
EUC-100S105DT(DV)	1050 mA	0-10V	57~95 Vdc	88.5%	90.5%
EUC-100S140DT(DV)	1400 mA	0-10V	43~71 Vdc	88.5%	90.5%
EUC-100S175DT(DV)	1750 mA	0-10V	34~57 Vdc	88.5%	90.5%
EUC-100S210DT(DV)	2100 mA	0-10V	29~48 Vdc	88.5%	90.5%
EUC-100S245DT(DV)	2450 mA	0-10V	25~41 Vdc	88.5%	90.5%
EUC-100S280DT(DV)	2800 mA	0-10V	22~36 Vdc	88%	90%
EUC-100S315DT(DV)	3150 mA	0-10V	19~32 Vdc	88%	90%
EUC-100S357DT(DV)	3570 mA	0-10V	17~28 Vdc	88%	90%
EUC-100S420DT(DV)	4200 mA	0-10V	14~24 Vdc	87%	89%



► Features

- High Efficiency (Up to 91%)
- Constant Current Output
- Compact Package Design
- Factory-set Output Current
- All-Around Protection: OVP,SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC,CE,TUV,CB Certification

Electrical Properties

Input Voltage	176-305 Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.98@220Vac
Input AC Current	0.6A (max.)@ 220Vac
Efficiency	91%(typ.) @ 220Vac(full load)
Max. Output Power	100W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5 s@ 220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications

Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	239,000 hours Ta=25°C
Life Time	120,000 hours Tc=60°C
Dimensions (L×W×H)	170×67.5×36.5(mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @ 220Vac
EBC-100S1055V-000x	700-1050 mA	-	57-142 Vdc	91%
EBC-100S2805V-000y	2000-2800mA	-	20-50 Vdc	90%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Controller

Surge Protective Device

SPD and IOVP

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Input CC

Intelligent Controller

Switch-Relays Dimmable

3FB and 10VF



► Features

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- UL,FCC,CE,CB,TUV,CCC,PSE,KC,SAA Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	1.5Amax.@100Vac 0.75Amax.@220Vac
Efficiency	89%(typ.)@120Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	120W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<2.0s@110Vac, <1.2s@220Vac
Protection Functions	OTP,OVP,SCP

Environmental Specifications

Operating Temperature	-35-65°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	250,000 hours Ta=25°C
Life Time	67,200 hours Tc=60°C
Dimensions (L×W×H)	194 × 67.5 × 36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff.@120Vac	Eff.@220Vac
EUC-120S035ST(SV)	350 mA	-	206-343 Vdc	89%	91%
EUC-120S045ST(SV)	450 mA	-	160-266 Vdc	89%	91%
EUC-120S070ST(SV)	700 mA	-	103-171 Vdc	89%	91%
EUC-120S105ST(SV)	1050 mA	-	68-114 Vdc	88.5%	90.5%
EUC-120S140ST(SV)	1400 mA	-	52-86 Vdc	88.5%	90.5%
EUC-120S175ST(SV)	1750 mA	-	41-68 Vdc	88.5%	90.5%
EUC-120S210ST(SV)	2100 mA	-	34-57 Vdc	88.5%	90.5%
EUC-120S245ST(SV)	2450 mA	-	29-49 Vdc	88.5%	90.5%
EUC-120S280ST(SV)	2800 mA	-	26-43 Vdc	88.5%	90.5%
EUC-120S315ST(SV)	3150 mA	-	23-38 Vdc	88%	90%
EUC-120S350ST(SV)	3500 mA	-	20-34 Vdc	88%	90%
EUC-120S420ST(SV)	4200 mA	-	17-28 Vdc	88%	90%
EUC-120S490ST(SV)	4900 mA	-	14-24 Vdc	87%	89%
EUC-120S035DT(DV)	350 mA	0-10V	206-343 Vdc	89%	91%
EUC-120S045DT(DV)	450 mA	0-10V	160-266 Vdc	89%	91%
EUC-120S070DT(DV)	700 mA	0-10V	103-171 Vdc	89%	91%
EUC-120S105DT(DV)	1050 mA	0-10V	68-114 Vdc	88.5%	90.5%
EUC-120S140DT(DV)	1400 mA	0-10V	52-86 Vdc	88.5%	90.5%
EUC-120S175DT(DV)	1750 mA	0-10V	41-68 Vdc	88.5%	90.5%
EUC-120S210DT(DV)	2100 mA	0-10V	34-57 Vdc	88.5%	90.5%
EUC-120S245DT(DV)	2450 mA	0-10V	29-49 Vdc	88.5%	90.5%
EUC-120S280DT(DV)	2800 mA	0-10V	26-43 Vdc	88.5%	90.5%
EUC-120S315DT(DV)	3150 mA	0-10V	23-38 Vdc	88%	90%
EUC-120S350DT(DV)	3500 mA	0-10V	20-34 Vdc	88%	90%
EUC-120S420DT(DV)	4200 mA	0-10V	17-28 Vdc	88%	90%
EUC-120S490DT(DV)	4900 mA	0-10V	14-24 Vdc	87%	89%
EUC-120S245T(TV)	2450 mA	Timer Dimming	30-49 Vdc	90%	92%



► Features

- Ultra High Efficiency (Up to 93.0%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67)
- SELV
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	1.8Amax @100Vac, 0.9Amax @220Vac
Efficiency	90%(typ.)@120Vac(full load) , 92.5%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<2s@120Vac, <2s@220Vac
Protection Functions	OTP,OVP,SCP

Environmental Specifications

Operating Temperature	-40-70°C
Storage Temperature	-40-90°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	284,000 hours Ta=25°C
Life Time	117,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×39.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-150S053ST(SV)A	530 mA	-	142-283 Vdc	90%	93%
EUC-150S070ST(SV)A	700 mA	-	107-214 Vdc	90%	92.5%
EUC-150S105ST(SV)A	1050 mA	-	71-142 Vdc	90%	92%
EUC-150S140ST(SV)A	1400 mA	-	53-107 Vdc	89%	91%
EUC-150S210ST(SV)A	2100 mA	-	36-71.5 Vdc	89%	91%
EUC-150S245ST(SV)A	2450 mA	-	31-61.2 Vdc	89%	91%
EUC-150S280ST(SV)A	2800 mA	-	27-53.5 Vdc	89%	91%
EUC-150S315ST(SV)A	3150 mA	-	24-47 Vdc	89%	91%
EUC-150S350ST(SV)A	3500 mA	-	22-43 Vdc	89%	91%
EUC-150S420ST(SV)A	4200 mA	-	18-36 Vdc	89%	91%
EUC-150S053DT(DV)A	530 mA	0-10V	142-283 Vdc	90%	93%
EUC-150S070DT(DV)A	700 mA	0-10V	107-214 Vdc	90%	92.5%
EUC-150S105DT(DV)A	1050 mA	0-10V	71-142 Vdc	90%	92%
EUC-150S140DT(DV)A	1400 mA	0-10V	53-107 Vdc	89%	91%
EUC-150S210DT(DV)A	2100 mA	0-10V	36-71.5 Vdc	89%	91%
EUC-150S245DT(DV)A	2450 mA	0-10V	31-61.2 Vdc	89%	91%
EUC-150S280DT(DV)A	2800 mA	0-10V	27-53.5 Vdc	89%	91%
EUC-150S315DT(DV)A	3150 mA	0-10V	24-47 Vdc	89%	91%
EUC-150S350DT(DV)A	3500 mA	0-10V	22-43 Vdc	89%	91%
EUC-150S420DT(DV)A	4200 mA	0-10V	18-36 Vdc	89%	91%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Inductive Load

Intelligent Controller

Simple Protective Driver

EPD and IOWP

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Input

Outdoor CC

Intelligent Controller

Surge Protective Device

SPD and OVP



Class II

► Features

- Constant Current Output
- Active Power Factor Correction (0.99 Typical)
- Compact Package Design
- Dimming Control
- Lightning Protection
- All-Around Protection: SCP,OTP,OVP
- Waterproof IP67
- Class II Double Insulation
- Superior Thermal Management
- CE,ENEC,CB, Ⓢ Certification

Electrical Properties	
Input Voltage	90 – 305 Vac
Input Frequency	47 Hz–63 Hz
Power Factor	0.99@120Vac,0.95@220Vac
Input AC Current	1.8 A (max.)@ 100Vac 0.9 A(max.)@ 220 Vac
Efficiency	90%(typ.) @ 120Vac(full load) 92.5%(typ.) @ 220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<2.0 s@ 120Vac, <2.0@ 220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40 – 70°C
Storage Temperature	-40 – 90°C
Operating Humidity	10% – 100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	383,000 hours Ta=25°C
Life Time	120,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×39.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-150S0705DA	700 mA	-	107–214Vdc	90%	92.5%
EUC-150S1405DA(NEW)	1400mA	-	53–107 Vdc	90%	92%
EUC-150S0700DA	700 mA	0-10V	107–214Vdc	90%	92.5%
EUC-150S1400DA(NEW)	1400 mA	0-10V	53–107 Vdc	90%	92%



► Features

- Ultra High Efficiency (Up to 93%)
- Constant Current Output
- Compact Package Design
- Factory-set Output Current
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC, CE, TUV, CB Certification

Electrical Properties

Input Voltage	176-305 Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.98@220Vac
Input AC Current	0.82 A (max.)@ 220Vac
Efficiency	93%(typ.) @ 220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5 s@ 220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	305,000 hours Ta=25°C
Life time	99,500 hours Tc=60°C
Dimensions(L × W × H)	180 × 68 × 40.5(mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @220Vac
EBC-150S105SVA000a	700-1050 mA	-	97-214 Vdc	93.0%
EBC-150S420SVA000y	2800-4200 mA	-	24-53 Vdc	91.5%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Controller

Large Protective Device

240 and 10V_P

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Multiple CC

Intelligent Controller

Surge Protective Device

800 mA (OVP)



► Features

- Ultra High Efficiency (Up to 93%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67)
- UL,CE,CB,TUV,CCC,PSE,KC,SAASafety Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	2.4Amax @100Vac, 1.2Amax @220Vac
Efficiency	91%(typ.)@120Vac(full load) . 93%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<3.0s@120Vac, <2.0s@220Vac
Protection Functions	OTP,OVP,SCP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection
MTBF	236,000 hours Ta=25°C
Life Time	68,000 hours Tc=60°C
Dimensions (L×W×H)	239×79.5×46 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @120Vac	Eff @220Vac
EUC-200S045ST(SV)	450 mA	-	267-445 Vdc	91%	93%
EUC-200S070ST(SV)	700 mA	-	171-285 Vdc	91%	93%
EUC-200S105ST(SV)	1050 mA	-	114-190 Vdc	90.5%	92.5%
EUC-200S140ST(SV)	1400 mA	-	85-142 Vdc	90%	92%
EUC-200S175ST(SV)	1750 mA	-	68-114 Vdc	89.5%	92%
EUC-200S210ST(SV)	2100 mA	-	57-95 Vdc	89.5%	92%
EUC-200S245ST(SV)	2450 mA	-	48-81 Vdc	89.5%	91.5%
EUC-200S280ST(SV)	2800 mA	-	42-71 Vdc	89.5%	91.5%
EUC-200S315ST(SV)	3150 mA	-	38-63 Vdc	89%	91.5%
EUC-200S350ST(SV)	3500 mA	-	34-57 Vdc	89%	91.5%
EUC-200S420ST(SV)	4200 mA	-	28-47 Vdc	89%	91.5%
EUC-200S490ST(SV)	4900 mA	-	24-40 Vdc	89%	91.5%
EUC-200S560ST(SV)	5600 mA	-	21-35 Vdc	88.5%	91.5%
EUC-200S630ST(SV)	6300 mA	-	19-32 Vdc	88.5%	90.5%
EUC-200S045DT(DV)	450 mA	0-10V	223-445 Vdc	91%	93%
EUC-200S070DT(DV)	700 mA	0-10V	143-285 Vdc	91%	93%
EUC-200S105DT(DV)	1050 mA	0-10V	95-190 Vdc	90.5%	92.5%
EUC-200S140DT(DV)	1400 mA	0-10V	71-142 Vdc	90%	92%



► Features

- Ultra High Efficiency (Up to 93%)
- Constant Current Output
- Compact Package Design
- Factory-set Output Current
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC, CE, TUV, CB Certification

Electrical Properties	
Input Voltage	176-305 Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.98 @ 220Vac
Input AC Current	0.82 A (max.) @ 220Vac
Efficiency	93% (typ.) @ 220Vac (full load)
Max. Output Power	250W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5 s @ 220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications	
Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	287,000 hours Ta=25°C
Life time	118,000 hours Tc=60°C
Dimensions (L x W x H)	180 x 68 x 38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	ER @ 220Vac
EBC-255S105SV-000x	700-1050 mA	-	160-357 Vdc	93.0%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Isolated CC

Intelligent Controller

Simple Protection Device

IP67 and IP69K

Outdoor Single Channel CC

Multi-Channel CC

Programmable

Single Channel CV

High Stage

Indoor CC

Lowest Cost

Best Protective Device

Low and dV/dt



► Features

- Ultra High Efficiency (Up to 94%)
- Constant Current Output
- 0-10V Dimmable and Dim off
- Standby Power ≤ 1.5 W
- All-Around Protection: OVP, SCP, OTP
- Suitable for UL Dry / Damp / Wet Location
- TYPE HL, for use in a Class I Division 2 hazardous (Classified) location
- ULFCC, CE, CCC Certification

Electrical Properties	
Input Voltage	90–305Vac
Input Frequency	47 Hz–63 Hz
Power Factor	0.99 @ 120Vac, 0.96 @ 220Vac
Input AC Current	4.0A (max) @ 100Vac 2.0A (max) @ 220Vac
Efficiency	92% (typ.) @ 120Vac (full load) 94% (typ.) @ 220Vac (full load)
Max. Output Power	320W
Output Current Tolerance	$\pm 5\%$
Line Regulation	$\pm 0.5\%$
Load Regulation	$\pm 1.5\%$
Turn-on Delay Time	< 1.0 s @ 120Vac, < 1.0 s @ 220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications	
Operating Temperature	-40 – 70°C
Storage Temperature	-40 – 85°C
Operating Humidity	10%– 100% RH
Storage Humidity	5%– 100% RH
Cooling Method	Natural Convection
MTBF	202,000 Hours Ta=25°C
Life Time	103,000 Hours Tc=60°C
Dimensions (L x W x H)	224 x 98 x 44.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EF @ 120Vac	EF @ 220Vac
EUC-320S105ST(SV)	1050 mA	-	152–304Vdc	92%	94%
EUC-320S140ST(SV)	1400 mA	-	114–228Vdc	92%	94%
EUC-320S210ST(SV)	2100 mA	-	76–152 Vdc	91.5%	94%
EUC-320S280ST(SV)	2800 mA	-	57–114 Vdc	91%	93%
EUC-320S490ST(SV)	4900 mA	-	33–65 Vdc	90.5%	93%
EUC-320S620ST(SV)	6200 mA	-	26–52 Vdc	90.5%	93%
EUC-320S105DT(DV)	1050 mA	0–10V	152–304Vdc	92%	94%
EUC-320S140DT(DV)	1400 mA	0–10V	114–228Vdc	92%	94%
EUC-320S210DT(DV)	2100 mA	0–10V	76–152 Vdc	91.5%	94%
EUC-320S280DT(DV)	2800 mA	0–10V	57–114 Vdc	91%	93%
EUC-320S490DT(DV)	4900 mA	0–10V	33–65 Vdc	90.5%	93%
EUC-320S620DT(DV)	6200 mA	0–10V	26–52 Vdc	90.5%	93%



► Features

- Two Channels Constant Current Output
- 0-10V Dimmable (Compatible with Passive Dimmers)
- 5% Minimum Dimming Level
- High Efficiency (Up to 87%)
- Active Power Factor Correction (0.95 Typical)
- Waterproof (IP54)
- All-Around Protection: SCP, OVP, OTP
- Class II, Class 2 and SELV Output
- UL, FCC, CE, CB, TUV, PSE Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.98@120Vac, 0.95@220Vac
Input AC Current	0.46A(max.)@120Vac
Efficiency	86%(typ.)@120Vac(full load), 87%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OVP, SCP, OTP

Environmental Specifications

Operating Temperature	-20-70°C
Storage Temperature	-30-85°C
Operating Humidity	10%-90% RH
Storage Humidity	5%-90% RH
Cooling Method	Natural Convection
MTBF	471,000 hours Ta=25°C
Life Time	87,900 hours Tc=60°C
Dimensions (L×W×H)	213×43.5×30.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EF @120Vac	EF @220Vac
LUC-042D045SSM(SDM)	450 mA	-	27- 47 Vdc	86%	87%
LUC-042D052SSM(SDM)	520 mA	-	20- 41 Vdc	85%	86%
LUC-042D056SSM(SDM)	560 mA	-	20- 40 Vdc	85%	86%
LUC-042D070SSM(SDM)	700 mA	-	17- 30 Vdc	84%	85%
LUC-042D045DSM(DDM)	450 mA	0-10V	27- 47 Vdc	86%	87%
LUC-042D052DSM(DDM)	520 mA	0-10V	20- 41 Vdc	85%	86%
LUC-042D056DSM(DDM)	560 mA	0-10V	20- 40 Vdc	85%	86%
LUC-042D070DSM(DDM)	700 mA	0-10V	17- 30 Vdc	84%	85%

LUC-066T

LUC-072Q



► Features

- 0-10V Dimmable (Compatible with Passive Dimmers)
- 5% Minimum Dimming Level
- Three Channels of Constant Current Output
- High Efficiency (Up to 87%)
- Active Power Factor Correction (0.96 Typical)
- Waterproof (IP54)
- All-Around Protection: SCP, OTP, OVP
- Class II and SELV
- Class2
- UL,FCC,CE,CB,TUV,PSE Certification

Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.96@220Vac
Input AC Current	0.8Amax @120Vac
Efficiency	86%(typ.)@120Vac(full load), 87%(typ.)@220Vac(full load)
Max. Output Power	66W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±4%
Turn-on Delay Time	<2.0s@120Vac, <2.0s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications	
Operating Temperature	-20-70°C
Storage Temperature	-30-85°C
Operating Humidity	10%-90% RH
Storage Humidity	5%-90% RH
Cooling Method	Natural Convection
MTBF	304,000 hours Ta=25°C
Life Time	116,000 hours Tc=60°C
Dimensions (L×W×H)	273.3×43.5×30 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EH @120Vac	EH @220Vac
LUC-066T045SDM (SSM)	450 mA	-	25-49Vdc	86%	87%
LUC-066T056SDM (SSM)	560 mA	-	20-40Vdc	85%	86%
LUC-066T070SDM (SSM)	700 mA	-	16-32Vdc	84%	85%
LUC-066T045DDM (DSM)	450 mA	0-10V	25-49Vdc	86%	87%
LUC-066T056DDM (DSM)	560 mA	0-10V	20-40Vdc	85%	86%
LUC-066T070DDM (DSM)	700 mA	0-10V	16-32Vdc	84%	85%



► Features

- 0-10V Dimmable (Compatible with Passive Dimmers)
- 5% Minimum Dimming Level
- Four Channels of Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (0.96 Typical)
- Waterproof (IP54)
- All-Around Protection: SCP, OTP, OVP
- Independent Class II and SELV
- CE, TUV, CB, UL, FCC, PSE Certification

Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.96@220Vac
Input AC Current	0.9Amax @120Vac
Efficiency	84%(typ.)@120Vac(full load), 86%(typ.)@220Vac(full load)
Max. Output Power	72W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±4%
Turn-on Delay Time	<1.5s@120Vac, <1.5s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications	
Operating Temperature	-20-70°C
Storage Temperature	-30-85°C
Operating Humidity	10%-90% RH
Storage Humidity	5%-90% RH
Cooling Method	Natural Convection
MTBF	202,000 hours Ta=25°C
Life Time	84,000 hours Tc=60°C
Dimensions (L×W×H)	273.3×43.4×30 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EH @120Vac	EH @220Vac
LUC-072Q045SDM(SSM)	450mA	-	20-40 Vdc	84%	86%
LUC-072Q056SDM(SSM)	560 mA	-	16-32 Vdc	84%	86%
LUC-072Q070SDM(SSM)	700mA	-	13-26 Vdc	83%	85%
LUC-072Q045DDM(DSM)	450mA	0-10V	20-40 Vdc	84%	86%
LUC-072Q056DDM(DSM)	560mA	0-10V	16-32 Vdc	84%	86%
LUC-072Q070DDM(DSM)	700mA	0-10V	13-26 Vdc	83%	85%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Master CC

Intelligent Controller

Single Pinpoint Drive

Sum 10V



► Features

- Two Channels Output
- Ultra High Efficiency (Up to 91.5%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- CE,CCC Certification

Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	1.2A(max.)@100Vac, 0.6A(max.)@220Vac
Efficiency	88%(typ.)@120Vac(full load), 91.5%(typ.)@220Vac(full load)
Max. Output Power	82W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.5s@110Vac, <1.0s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-35-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	200,000 hours Ta=25°C
Life Time	147,000 hours Tc=60°C
Dimensions (L × W × H)	188 × 88 × 38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-100D035DT	350 mA	0-10V	75-116.5 Vdc	88%	90%
EUC-100D035DV	350 mA	0-10V	75-116.5 Vdc	88%	91.5%



► Features

- Triple Channels Output
- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class2
- TYPE HL, for Use In A Class I, Division 2 Hazardous (Classified) Location
- UL,FCC,CE Safety Certification

Electrical Properties	
Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.94@220Vac
Input AC Current	1.51A(max.)@100Vac, 0.7A(max.)@220Vac
Efficiency	88%(typ.)@120Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	113W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	< 3s@110Vac, < 3s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	277,000 hours Ta=25°C
Life Time	93,500 hours Tc=60°C
Dimensions (L × W × H)	188 × 88 × 38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-108T0705T	700 mA	-	29–54 Vdc	88%	91%
EUC-108T1055T	1050 mA	-	19–36 Vdc	87%	89%
EUC-108T1405T	1400 mA	-	14–25 Vdc	86%	88%
EUC-108T0700T	700 mA	0–10V	29–54 Vdc	88%	91%
EUC-108T1050T	1050 mA	0–10V	19–36 Vdc	87%	89%
EUC-108T1400T	1400 mA	0–10V	14–25 Vdc	86%	88%

Output Single Channel DC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage (100V)

Output CO

Intelligent Control

Temp. Protective Device

SCP and OVP

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Simple Channel CV

High Voltage Input

Indoor CC

Intelligent Compensation

Simple Protective Device

SFD and PVP



► Features

- Triple Channels Output
- Ultra High Efficiency (Up to 92%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class2 and SELV
- TYPE HL, for Use In A Class I, Division 2 Hazardous (Classified) Location
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.94@220Vac
Input AC Current	1.51A(max.)@100Vac, 0.7A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	120W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<3.0s@120Vac, <3.0s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection
MTBF	288,000 hours Ta=25°C
Life Time	98,000 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-120T035ST	350 mA	-	57-114 Vdc	89%	92%
EUC-120T035SV	350 mA	-	57-103 Vdc	89%	92%
EUC-120T045ST(SV)	450 mA	-	45-90 Vdc	89%	92%
EUC-120T060ST(SV)	600 mA	-	40-70 Vdc	89%	91%
EUC-120T070ST(SV)	700 mA	-	29-57 Vdc	88.5%	91%
EUC-120T105ST(SV)	1050 mA	-	19-38 Vdc	88.5%	90%
EUC-120T140ST(SV)	1400 mA	-	14-29 Vdc	87.5%	89.5%
EUC-120T035DT	350 mA	0-10V	57-114 Vdc	89%	92%
EUC-120T035DV	350 mA	0-10V	57-103 Vdc	89%	92%
EUC-120T045DT(DV)	450 mA	0-10V	45-90 Vdc	89%	92%
EUC-120T060DT(DV)	600 mA	0-10V	40-70 Vdc	89%	91%
EUC-120T070DT(DV)	700 mA	0-10V	29-57 Vdc	88.5%	91%
EUC-120T105DT(DV)	1050 mA	0-10V	19-38 Vdc	88.5%	90%
EUC-120T140DT(DV)	1400 mA	0-10V	14-29 Vdc	87.5%	89.5%



► Features

- Quad Channels Output
- Ultra High Efficiency (Up to 91.0%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class2
- UL,FCC,CE Safety Certification

Electrical Properties	
Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	2.1A(max.)@100Vac, 0.9A(max.)@220Vac
Efficiency	88%(typ.)@120Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	151W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1%
Turn-on Delay Time	<2s@120Vac, <1.5s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	383,000 hours Ta=25°C
Life Time	95,000 hours Tc=60°C
Dimensions (L×W×M)	188×88×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @ 120Vac	Eff. @ 220Vac
EUC-144Q070ST	700 mA	-	29–54 Vdc	88%	91%
EUC-144Q105ST	1050 mA	-	19–36 Vdc	87%	90%
EUC-144Q140ST	1400 mA	-	14–25 Vdc	86%	89%
EUC-144Q070DT	700 mA	0–10V	29–54 Vdc	88%	91%
EUC-144Q105DT	1050 mA	0–10V	19–36 Vdc	87%	90%
EUC-144Q140DT	1400 mA	0–10V	14–25 Vdc	86%	89%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Boost

Isolated CC

Instantaneous Constant

Simple Protective Series

SFB and dV/dt

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Adjustable Controller

Dimmable Primitive Driver

1000mA @ 10V



► Features

- Quad Channels Output
- Ultra High Efficiency (Up to 92.0%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class2 and SELV
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	2.1A(max.)@100Vac, 0.9A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	168W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1%
Turn-on Delay Time	<2s@120Vac, <1.5s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications

Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection
MTBF	306,000 hours Ta=25°C
Life Time	94,800 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-160Q035ST	350 mA	-	57-114 Vdc	89%	92%
EUC-160Q035SV	350 mA	-	57-103 Vdc	89%	92%
EUC-160Q045ST(SV)	450 mA	-	45-90 Vdc	89%	92%
EUC-160Q060ST(SV)	600 mA	-	40-70 Vdc	88.5%	91.5%
EUC-160Q070ST(SV)	700 mA	-	29-57 Vdc	88.5%	91.5%
EUC-160Q105ST(SV)	1050 mA	-	19-38 Vdc	87%	90%
EUC-160Q140ST(SV)	1400 mA	-	14-29 Vdc	87%	90%
EUC-160Q035DT	350 mA	0-10V	57-114 Vdc	89%	92%
EUC-160Q035DV	350 mA	0-10V	57-103 Vdc	89%	92%
EUC-160Q045DT(DV)	450 mA	0-10V	45-90 Vdc	89%	92%
EUC-160Q060DT(DV)	600 mA	0-10V	40-70 Vdc	88.5%	91.5%
EUC-160Q070DT(DV)	700 mA	0-10V	29-57 Vdc	88.5%	91.5%
EUC-160Q105DT(DV)	1050 mA	0-10V	19-38 Vdc	87%	90%
EUC-160Q140DT(DV)	1400 mA	0-10V	14-29 Vdc	87%	90%



► Features

- Pentad Channels Output
- Ultra High Efficiency (Up to 92.0%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class2
- UL,FCC,CE Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.94@220Vac
Input AC Current	2.5A(max.)@100Vac, 1.1A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	189W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	< 2μs@120Vac, < 1.5μs@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	326,000 hours Ta=25°C
Life Time	101,000 hours Tc=60°C
Dimensions (L × W × H)	214 × 82 × 38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	ER @ 120Vac	ER @ 220Vac
EUC-180P0705T	700 mA	-	29–54 Vdc	89%	92%
EUC-180P1055T	1050 mA	-	19–36 Vdc	86.5%	90%
EUC-180P1405T	1400 mA	-	14–25 Vdc	86.5%	90%
EUC-180P0705T	700 mA	0–10V	29–54 Vdc	89%	92%
EUC-180P1055T	1050 mA	0–10V	19–36 Vdc	86.5%	90%
EUC-180P1405T	1400 mA	0–10V	14–25 Vdc	86.5%	90%

Constant Current
Channel CC

Multiple
Channel CC

Programmable

Single
Channel CV

High Voltage
Input

Industry CC

Automotive
Qualified

Surge
Protection
Device

LED
and IOWP

Multiple Channel CC



► Features

- Pentad Channels Output
- Ultra High Efficiency (Up to 92.5%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Around Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class2 and SELV
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties	
Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.99@120Vac, 0.94@220Vac
Input AC Current	2.5A(max.)@100Vac, 1.1A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 92.5%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<2s@120Vac, <1.5s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	224,000 hours Ta=25°C
Life Time	83,500 hours Tc=60°C
Dimensions (L×W×H)	214×82×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUC-200P035ST	350 mA	-	57–114 Vdc	89%	92.5%
EUC-200P035SV	350 mA	-	57–103 Vdc	89%	92.5%
EUC-200P045ST(SV)	450 mA	-	45–90 Vdc	88.5%	92%
EUC-200P060ST(SV)	600 mA	-	40–70 Vdc	88.5%	92%
EUC-200P070ST(SV)	700 mA	-	29–57 Vdc	88.5%	92%
EUC-200P105ST	1050 mA	-	19–38 Vdc	86.5%	90%
EUC-200P105SV	1050 mA	-	17–34 Vdc	86.5%	90%
EUC-200P140ST	1400 mA	-	14–29 Vac	86.5%	90%
EUC-200P140SV	1400 mA	-	14–25 Vac	86.5%	90%
EUC-200P035DT	350 mA	0-10V	57–114 Vdc	89%	92.5%
EUC-200P035DV	350 mA	0-10V	57–103 Vdc	89%	92.5%
EUC-200P045DT(DV)	450 mA	0-10V	45–90 Vdc	88.5%	92%
EUC-200P060DT(DV)	600 mA	0-10V	40–70 Vdc	88.5%	92%
EUC-200P070DT(DV)	700 mA	0-10V	29–57 Vdc	88.5%	92%
EUC-200P105DT	1050 mA	0-10V	19–38 Vdc	86.5%	90%
EUC-200P105DV	1050 mA	0-10V	17–34 Vdc	86.5%	90%
EUC-200P140DT	1400 mA	0-10V	14–29 Vdc	86.5%	90%
EUC-200P140DV	1400 mA	0-10V	14–25 Vac	86.5%	90%

Dimension Single Channel CC

Programmable

Single Channel CV

High Voltage Input

Industry CC

Intelligent Constant

Surge Protective Device

SPD and OVP



► Features

- Hexad Channels Output
- Ultra High Efficiency (Up to 91.0%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67) and Damp & Wet Location
- Class 2 and SELV
- UL,FCC,CE,CB,TUV,CCC,PSE Certification

Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	2.9A(max.)@110Vac, 1.3A(max.)@220Vac
Efficiency	88%(typ.)@120Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	240W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±5%
Turn-on Delay Time	<2s@110Vac, <1.5s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	201,400 hours Ta=25°C
Life Time	81,800 hours Tc=60°C
Dimensions (L×W×H)	210×100×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EH @120Vac	EH @220Vac
EUC-240H035ST	350 mA	-	57-114 Vdc	88%	91%
EUC-240H035SV	350 mA	-	57-103 Vdc	88%	91%
EUC-240H070ST	700 mA	-	29-54 Vdc	88%	91%
EUC-240H070SV	700 mA	-	29-57 Vdc	88%	91%
EUC-240H105ST(SV)	1050 mA	-	19-38 Vdc	87%	90.5%
EUC-240H140ST	1400 mA	-	15-25.7Vdc	86%	90%
EUC-240H140SV	1400 mA	-	15-28.5Vdc	86%	90%
EUC-240H035DT	350 mA	0-10V	57-114 Vdc	89%	91%
EUC-240H035DV	350 mA	0-10V	57-103 Vdc	88%	91%
EUC-240H070DT	700 mA	0-10V	29-54 Vdc	88%	91%
EUC-240H070DV	700 mA	0-10V	29-57 Vdc	88%	91%
EUC-240H105DT(DV)	1050 mA	0-10V	19-38 Vdc	87%	90.5%
EUC-240H140DT	1400 mA	0-10V	15-25.7Vdc	86%	90%
EUC-240H140DV	1400 mA	0-10V	15-28.5Vdc	86%	90%

Power Supply
Channel DC

Multiple
Channel CC

Programmable

Single
Channel CV

High Voltage
Input

Industry DC

Intelligent
Dimming

Surge
Protection
Device

SPG
with IOWE

Dimmer Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Robust CC

Intelligent Controller

Large Protective Device

30V max 10V⁺



► Features

- High Efficiency (Up to 90%)
- Full Power at 70-100% Max Current (Constant Power)
- Thermal Sensing and Protection for LED Panel/Strings
- 0-10V/PWM/DALI Dimmable and Dim off
- Low Dimming Level to 1% with Good Accuracy
- Standby Power ≤ 0.5 W
- Output Lumen Compensation
- All-Around Protection: OVP, SCP, OTP
- Class II, SELV and Class 2
- UL,FCC,CE,ENEC,CB,CCC Certification

Electrical Properties

Input Voltage	90–305Vac
Input Frequency	47 Hz–63 Hz
Power Factor	0.99@120Vac,0.96@220Vac
Input AC Current	0.8 A (max.)@ 100Vac 0.36 A(max.)@ 220Vac
Efficiency	88%(typ.) @ 120Vac(full load) 90%(typ.) @ 220Vac(full load)
Max. Output Power	60W
Output Current Tolerance	$\pm 5\%$
Line Regulation	$\pm 0.5\%$
Load Regulation	$\pm 1.5\%$
Turn-on Delay Time	$< 1.2s$ @ 120Vac, $< 1.0s$ @ 220Vac
Protection Functions	OTP,SCP,OVP

Operating Temperature	-30–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–90% RH
Storage Humidity	5%–90% RH
Cooling Method	Natural Convection
MTBF	204,000 hours $T_a = 25^\circ\text{C}$
Life Time	120,000 hours $T_c = 60^\circ\text{C}$
Dimensions (L × W × H)	418 × 30 × 21 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EW @120Vac	EW @220Vac
LUD-060S055DSF	3.85-550mA	0-10V/PWM	31–156Vdc	88%	90%
LUD-060S078DSF	5.46-780mA	0-10V/PWM	22–110Vdc	88%	90%
LUD-060S110DSF	7.7-1100mA	0-10V/PWM	16–78Vdc	88%	90%
LUD-060S130DSF	10.5-1500mA	0-10V/PWM	12–57Vdc	88%	90%
LUD-060S210DSF	14.7-2100mA	0-10V/PWM	8–40Vdc	87%	89%
LUD-060S055BSF	3.85-550mA	DALI	31–156Vdc	88%	90%
LUD-060S078BSF	5.46-780mA	DALI	22–110Vdc	88%	90%
LUD-060S110BSF	7.7-1100mA	DALI	16–78Vdc	88%	90%
LUD-060S150BSF	10.5-1500mA	DALI	12–57Vdc	88%	90%
LUD-060S210BSF	14.7-2100mA	DALI	8–40Vdc	87%	89%



► Features

- High Efficiency (Up to 90%)
- Full Power at 70-100% Max Current (Constant Power)
- Compact Package Design
- 0-10V/PWM/Timer Dimmable
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC, CE, TUV, CB Certification

Electrical Properties

Input Voltage	176–305 Vac
Input Frequency	47 Hz–63 Hz
Power Factor	0.98 @ 220Vac
Input AC Current	0.42 A (max.) @ 220Vac
Efficiency	90% (typ.) @ 220Vac (full load)
Max. Output Power	75W
Output Current Tolerance	± 5%
Line Regulation	± 0.5%
Load Regulation	± 1.5%
Turn-on Delay Time	< 1.5 s @ 220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	445,000 hours Ta = 25°C
Life time	120,000 hours Tc = 60°C
Dimensions (L × W × H)	150 × 67.5 × 38.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EM @ 220Vac
EBD-075510SDV	70-1050 mA	0-10V/PWM/Timer	43–107 Vdc	90%
EBD-0755250DV	170-2500 mA	0-10V/PWM/Timer	18–44 Vdc	89%

Universal Single Channel CC

Multiple Channel CC

Programmable

Simple Channel CC

High Voltage Input

Auxiliary CC

Intelligent Controller

Large Protection Reserve

EMC and EMI

Outdoor Single Channel LED

Multiple Channel LED

Programmable

Single Channel LED

High Voltage Input

Indoor LED

Multiple Channels

Input Protection Device

LED Type



► Features

- High Efficiency (Up to 91%)
- Full Power at 50-100% Max Current (Constant Power)
- 0-10V/PWM/Timer/DALI Dimmable and Dim off
- Standby Power ≤ 1 W
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67) and UL Dry / Damp / Wet Location
- Class 2 & SELV Output
- Suitable for EU Independent Use/ Built-in Use
- TYPE HL, for use in a Class I, Division 2 hazardous (Classified) location
- UL, FCC, CE, ENEC, TUV, CB, CCC Certification

Electrical Properties

Input Voltage	90-305Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	1.3 A (max) @ 100Vac 0.6 A (max) @ 220Vac
Efficiency	88.5% (typ) @ 120Vac (full load) 91% (typ) @ 220Vac (full load)
Max. Output Power	96W
Output Current Tolerance	$\pm 5\%$
Line Regulation	$\pm 0.5\%$
Load Regulation	$\pm 1.5\%$
Turn-on Delay Time	$< 1.5s$ @ 120Vac, $< 1.5s$ @ 220Vac
Protection Functions	OTP, SCP, OVP

Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	212,000 hours Ta=25°C
Life Time	111,000 hours Tc=60°C
Dimensions (L x W x H)	194 x 67.5 x 36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EFF. @95%Vac	EFF. @90%Vac
EUD-096S090DT(DV)	45-900mA	0-10V/PWM/TIMER	64-214Vdc	88.5%	91%
EUD-096S180DT(DV)	90-1800mA	0-10V/PWM/TIMER	32-107Vdc	88%	90.5%
EUD-096S360DT(DV)	180-3600mA	0-10V/PWM/TIMER	16-53Vdc	87.5%	90%
EUD-096S090BT(BV)	45-900mA	DALI	64-214Vdc	88.5%	91%
EUD-096S180BT(BV)	90-1800mA	DALI	32-107Vdc	88%	90.5%
EUD-096S360BT(BV)	180-3600mA	DALI	16-53Vdc	87.5%	90%

EBD-100S



► Features

- High Efficiency (Up to 90.5%)
- Full Power at 70-100% Max Current (Constant Power)
- Compact Package Design
- 0-10V/PWM/Timer Dimmable
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC, CE, TUV, CB Certification

Electrical Properties	
Input Voltage	176-305 Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.98@220Vac
Input AC Current	0.6A (max.)@ 220Vac
Efficiency	90.5%(typ.)@ 220Vac(full load)
Max. Output Power	100W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5 s@ 220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications	
Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	239,000 hours Ta=25°C
Life Time	120,000hours Tc=60°C
Dimensions (L×W×H)	170×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EFF. @220Vac
EBD-100S105DV	70-1050 mA	0-10V/PWM/Timer	57-142 Vdc	90.5%
EBD-100S280DV	200-2800mA	0-10V/PWM/Timer	20-50 Vdc	90.0%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Output CC

Intelligent Controller

Surge Protective Device

SFP and SFP+

- 0-wire Single Constant CC
- Modular Channel CC
- Programmable
- 3-wire Channel CV
- High Voltage Input
- Industry CC
- Intelligent Constant
- Reverse Protective Device
- LFO and rOVP



► Features

- High Efficiency (Up to 92%)
- Full Power at 50-100% Max Current (Constant Power)
- 0-10V/PWM/Timer/DALI Dimmable and Dim-to-Off
- Standby Power ≤ 1 W
- All-Around Protection: OVP, SCP, OTP
- Suitable for UL Dry / Damp / Wet Location
- TYPE HL, for use in a Class I, Division 2 hazardous (Classified) location
- UL,FCC,CE,ENEC,TUV,CB,CCC Certification

Electrical Properties	
Input Voltage	90–305Vac
Input Frequency	47 Hz–63 Hz
Power Factor	0.99@120Vac, 0.96@220Vac
Input AC Current	1.8 A (max.)@ 100Vac 0.85A(max.)@ 220Vac
Efficiency	89.5%(typ.) @ 120Vac(full load) 92%(typ.) @ 220Vac(full load)
Max. Output Power	96W
Output Current Tolerance	$\pm 5\%$
Line Regulation	$\pm 0.5\%$
Load Regulation	$\pm 1.5\%$
Turn-on Delay Time	$<1.5s$ @ 120Vac, $<1.5s$ @ 220Vac
Protection Functions	OTP,SCP,OVP

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	236,000 hours $T_a=25^\circ\text{C}$
Life Time	120,000 hours $T_c=60^\circ\text{C}$
Dimensions (L×W×H)	219 × 67.5 × 39.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
EUD-150S130DT(DV)	65-1300mA	0-10V/PWM/TIMER	69–230Vdc	90%	92%
EUD-150S260DT(DV)	130-2600mA	0-10V/PWM/TIMER	35–115Vdc	89.5%	91.5%
EUD-150S520DT(DV)	260-5200mA	0-10V/PWM/TIMER	18 – 58Vdc	89.5%	91.5%
EUD-150S130BT(BV)	65-1300mA	DALI	69–230Vdc	90%	92%
EUD-150S260BT(BV)	130-2600mA	DALI	35–115Vdc	89.5%	91.5%
EUD-150S520BT(BV)	260-5200mA	DALI	18 – 58Vdc	89.5%	91.5%

EBD-150S



► Features

- Ultra High Efficiency (Up to 93.0%)
- Full Power at 70-100% Max Current (Constant Power)
- Compact Package Design
- 0-10V/PWM/Timer Dimmable
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Suitable for EU Independent Use
- CCC,CE,TUV,CB Certification

Electrical Properties	
Input Voltage	176-305 Vac
Input Frequency	47 Hz-63 Hz
Power Factor	0.98@220Vac
Input AC Current	0.82 A (max.)@ 220Vac
Efficiency	93%(typ.) @ 220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5 s@ 220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications	
Operating Temperature	-40-70°C
Storage Temperature	-40-85°C
Operating Humidity	10%-100% RH
Storage Humidity	5%-100% RH
Cooling Method	Natural Convection
MTBF	305,000 hours Ta=25°C
Life Time	99,500 hours Tc=60°C
Dimensions (L × W × H)	180 × 68 × 40.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EFF @220Vac
EBD-150S10SDVA	70-1050 mA	0-10V/PWM/Timer	97-214 Vdc	93.0%
EBD-150S420DVA	280-4200 mA	0-10V/PWM/Timer	24-53 Vdc	93.0%

Multiple Bright Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Input CC

Substituted Connector

Wide Protective Housing

UV and ESD

Multi-Input Single Channel CC

Multi-Channel CC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Controller

Smart Protection Device

SPS and PVP



► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (Up to 0.99)
- All-Around Protection: OTP, SCP and OLP
- UL/FCC Certification

Electrical Properties

Input Voltage	90-132Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac
Input AC Current	0.4A(max.)@120Vac
Efficiency	86%(typ.)@120Vac(full load)
Max. Output Power	28W
Output Current Tolerance	±5%
Line Regulation	±2%
Load Regulation	±5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OTP,SCP,OLP

Environmental Specifications

Operating Temperature	-10-70°C
Storage Temperature	-20-85°C
Operating Humidity	10%-90% RH
Storage Humidity	5%-90% RH
Cooling Method	Natural Convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EF @ 120Vac
LLC-028S035RSP	350 mA	TRIAC Dimming	40-80 Vdc	86%
LLC-028S050RSP	500 mA	TRIAC Dimming	28-56 Vdc	85%
LLC-028S070RSP	700 mA	TRIAC Dimming	20-40 Vdc	84%
LLC-028S105RSP	1050 mA	TRIAC Dimming	13-26 Vdc	83%

LUC-040S



► Features

- Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (Up to 0.95)
- All-Around Protection: OVP, SCP and OLP
- UL Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.99@120Vac, 0.95@220Vac
Input AC Current	0.44A(max.)@100Vac
Efficiency	85%(typ.)@120Vac(full load) 86%(typ.)@220Vac(full load)
Max. Output Power	40W
Output Current Tolerance	±5%
Line Regulation	±3%
Load Regulation	±3%
Turn-on Delay Time	< 1s@120Vac
Protection Functions	OVP,SCP,OLP

Environmental Specifications

Operating Temperature	-10-60°C
Storage Temperature	-20-85°C
Operating Humidity	10%-90% RH
Storage Humidity	5%-90% RH
Cooling Method	Natural Convection
MTBF	405,000 hours Ta=25°C
Life Time	68,600 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Eff. @800Mac	Eff. @800Mac
LUC-040S060RSP	600 mA	28-57 Vdc	85%	86%

Outdoor Smart
Constant CC

Multiple Channel CC

Programmable

Single Channel CC

High Voltage
Up to 300V

Indoor CC

Intelligent
Constant

Smart
Proactive
Detection

PO
and OVP



► Features

- Flicker Free
- High Efficiency (Up to 87.5%)
- Constant Current Output
- 0-10V Dimmable with High Accuracy
- 5% Minimum Dimming Level
- Low Ripple
- All-Around Protection: OVP, SCP, OTP
- SELV and Class 2
- Double & Reinforced Insulation
- UL,FCC,CE,ENEC,TUV,CB, Certification

Electrical Properties

Input Voltage	90 - 305 Vac
Input Frequency	47 Hz - 63 Hz
Power Factor	0.96 @ 120Vac, 0.95 @ 220Vac
Input AC Current	0.6 A (max.) @ 100Vac 0.3 A (max.) @ 220 Vac
Efficiency	86.5% (typ.) @ 120Vac (full load) 87.5% (typ.) @ 220Vac (full load)
Max. Output Power	40W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	< 1.0 s @ 120Vac, < 1.0 s @ 220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Operating Humidity	10% - 90% RH
Storage Humidity	5% - 90% RH
Cooling Method	Natural Convection
MTBF	488,000 hours Ta=25°C
Life Time	120,000 hours Tc=60°C
Dimensions (L×W×H)	313×30×25 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @ 120Vac	Eff @ 220Vac
LUC-040S053DSF	530 mA	0-10V	25-75 Vdc	86.5%	87.5%
LUC-040S070DSF	700 mA	0-10V	19-55 Vdc	85.5%	87%
LUC-040S105DSF	1050 mA	0-10V	13-38 Vdc	84%	85.5%

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High White Input

Indoor CC

Integrated Generator

Triple Protective Function

500 mA/10V

LLC-040S



► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 84%)
- Active Power Factor Correction (Up to 0.95)
- All-Around Protection: OLP, SCP
- CE Certification

Electrical Properties

Input Voltage	176–264 Vac
Input Frequency	47–53 Hz
Power Factor	0.95@220Vac
Input AC Current	0.2A(max.)@220Vac
Efficiency	84%(typ.)@220Vac(full load)
Max. Output Power	24W
Output Current Tolerance	±5%
Line Regulation	±2%
Load Regulation	±5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP,SCP

Environmental Specifications

Operating Temperature	-10–70°C
Storage Temperature	-20–85°C
Operating Humidity	10%–90% RH
Storage Humidity	5%–90% RH
Cooling Method	Natural Convection
MTBF	330,000 hours Ta=25°C
Life Time	51,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @220Vac
LHC-024S035RSP	350 mA	TRIAC Dimming	34–68 Vdc	84%
LHC-024S050RSP	500 mA	TRIAC Dimming	24–48 Vdc	84%
LHC-024S070RSP	700 mA	TRIAC Dimming	17–34 Vdc	83%
LHC-024S105RSP	1050 mA	TRIAC Dimming	12–23 Vdc	82%

Outdoor Light
Channel CC

Multiple
Channel CC

Programmable

Single
Channel CV

High Voltage
Input

Indoor CC

Universal
Powerfactor

Power
Factor
Control

10W

EUC-042S

Outdoor String
Dimmer CC

Multiple
Channel CC

Programmable

Simple
Control CV

High Voltage
Input

Indoor CC

Intelligent
Control

Simple
Protective
Device

APD
and IOPP



► Features

- High Efficiency (Up to 90%)
- Active Power Factor Correction (Typical 0.96)
- Constant Output Current
- Waterproof (IP66) and Damp Location
- Dimming Control
- All-Around Protection: OVP, SCP, OTP, OLP
- SELV and Class 2
- Suitable for EU Built-in Use
- UL,FCC,CE,CB,TUV,CCC,ENEC,PSE,KC Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.96@120Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@100Vac, 0.3A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.0s@120Vac, <0.5s@220Vac
Protection Functions	OTP,SCP,OVP,OLP

Environmental Specifications

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	327,000 hours Ta=25°C
Life Time	116,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff @120Vac	Eff @220Vac
EUC-042S035PS	350 mA	–	60–120 Vdc	89%	90%
EUC-042S045PS	450 mA	–	47–94 Vdc	88%	89%
EUC-042S053PS	450 mA	–	40–79 Vdc	88%	89%
EUC-042S070PS	700 mA	–	28–56 Vdc	88%	89%
EUC-042S105PS	1050 mA	–	20–38 Vdc	86%	88%
EUC-042S128PS	1280 mA	–	17–32 Vdc	86%	87%
EUC-042S140PS	1400 mA	–	15–30 Vdc	85%	87%
EUC-042S175PS	1750 mA	–	12–24 Vdc	85%	87%
EUC-042S035DS	350 mA	0–10V	60–120 Vdc	89%	90%
EUC-042S045DS	450 mA	0–10V	47–94 Vdc	88%	89%
EUC-042S053DS	530 mA	0–10V	40–79 Vdc	88%	89%
EUC-042S070DS	700 mA	0–10V	28–56 Vdc	88%	89%
EUC-042S105DS	1050 mA	0–10V	20–38 Vdc	86%	88%
EUC-042S128DS	1280 mA	0–10V	17–32 Vdc	86%	87%
EUC-042S140DS	1400 mA	0–10V	15–30 Vdc	85%	87%
EUC-042S175DS	1750 mA	0–10V	12–24 Vdc	85%	87%
EUC-042S070DS*	700 mA	0–10V	28–56 Vdc	88.5%	89%

*°C suffixed model has highly precise output current at minimum dimming level

LUC-042S



► Features

- Indoor Independent LED Driver
- Adjustable Output Current with Dip Switch
- High Efficiency (Up to 90%)
- Active Power Factor Correction (Typical 0.95)
- Cascade Connection
- Dimming Control (0-10V)
- Reliable Device for Strain Relief
- IP20
- All-Around Protection: OVP, SCP, OTP and Open Lamp Protection
- SELV and Class 2 Output
- Class II
- UL, FCC, CE, ENEC, CB, CCC, PSE Certification

Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.96@120Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@100Vac, 0.3A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	4.2W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1%
Turn-on Delay Time	< 1.0s@120Vac, < 0.5s@220Vac
Protection Functions	OTP, SCP, OVP, Open Lamp Protection

Environmental Properties	
Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%-90% RH
Storage Humidity	5%-90% RH
Cooling Method	Natural Convection
MTBF	235,000 hours Ta=25°C
Life Time	80,500 hours Tc=60°C
Dimensions (L×W×H)	1.20×0.80×0.32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EFF. @120Vac	EFF. @220Vac
LUC-042S035SSW	350 mA	-	60-120Vdc	89%	90%
LUC-042S053SSW	530 mA	-	40-79Vdc	89%	90%
LUC-042S070SSW	700 mA	-	28-56Vdc	89%	90%
LUC-042S105SSW	1050 mA	-	20-38Vdc	88%	89%
LUC-042S140SSW	1400 mA	-	15-30Vdc	87%	88%
LUC-042S175SSW	1750 mA	-	12-24Vdc	86%	87%
LUC-042S210SSW	2100 mA	-	10-20Vdc	86%	87%
LUC-042S035DSW	350 mA	0-10V	60-120Vdc	89%	90%
LUC-042S053DSW	530 mA	0-10V	40-79Vdc	89%	90%
LUC-042S070DSW	700 mA	0-10V	28-56Vdc	89%	90%
LUC-042S105DSW	1050 mA	0-10V	20-38Vdc	88%	89%
LUC-042S140DSW	1400 mA	0-10V	15-30Vdc	87%	88%
LUC-042S175DSW	1750 mA	0-10V	12-24Vdc	86%	87%
LUC-042S210DSW	2100 mA	0-10V	10-20Vdc	86%	87%

Outdoor Single Channel DC

Multiple Channel DC

Programmable

Linear Output CV

High Voltage

Indoor DC

High Power Constant

Single Triac Dimmer

IPD Input and 10V



► Features

- High Efficiency (Up to 89%)
- Active Power Factor Correction (Typical 0.95)
- Constant Current Output
- Waterproof (IP66) and Dry & Damp Location
- Dimming Control
- All-Around Protection: OVP, SCP, OLP, OTP
- SELV and Class 2
- For Use in A Class I, Division 2 Hazardous (Classified) Location
- UL, FCC, CE, ENEC, CB, CCC, PSE Certification

Electrical Properties

Input Voltage	90–305 Vac
Input Frequency	47–63 Hz
Power Factor	0.95@ 220Vac
Input AC Current	0.6A(max.)@100Vac, 0.3A(max.)@220Vac
Efficiency	88%(typ.)@120Vac(full load), 89%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.0s@120Vac, <0.5s@220Vac
Protection Functions	OVP, SCP, OLP, OTP

Environmental Specifications

Operating Temperature	-40–70°C
Storage Temperature	-40–85°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection
MTBF	536,000 hours Ta=25°C
Life Time	120,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @ 120Vac	Eff. @ 220Vac
LUC-042S070SSP	700 mA	-	28–56 Vdc	88%	89%
LUC-042S070DSP	700 mA	0–10V	28–56 Vdc	88%	89%

- Dimmer Single Channel CC
- Dimmer Channel CC
- Programmable
- Single Channel CV
- High Voltage Input
- Indoor CC
- Intelligent Controller
- Turn Protective Device
- IPD with OVP



► Features

- High Efficiency (Up to 90%)
- Active Power Factor Correction (Typical 0.95)
- Constant Current Output
- IP54(Potted)
- Dimming Control (0-10V)
- All-Around Protection: OVP,SCP, OTP
- Class 2 Output
- Unique Package for Down Lights
- TYPE HL, for Use In A Class I, Division 2 Hazardous(Classified) Location
- UL,FCC Certification

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47-63 Hz
Power Factor	0.98@120Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@100Vac, 0.3A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1%
Turn-on Delay Time	<1.0s@120Vac, <0.5s@220Vac
Protection Functions	OTP,SCP,OVP

Environmental Specifications

Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection
MTBF	303,000 hours Ta=25°C
Life Time	113,000 hours Tc=60°C
Dimensions (L*W*H)	107*76*31 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Eff. @120Vac	Eff. @220Vac
LUC-042S035STG	350 mA	-	60-120Vdc	89%	90%
LUC-042S053STG	530 mA	-	40-79Vdc	89%	90%
LUC-042S070STG	700 mA	-	28-56Vdc	88%	89%
LUC-042S105STG	1050 mA	-	20-38Vdc	87%	88%
LUC-042S140STG	1400 mA	-	15-30Vdc	86%	87%
LUC-042S175STG	1750 mA	-	12-24Vdc	86%	87%
LUC-042S210STG	2100 mA	-	10-20Vdc	85%	87%
LUC-042S035DTG	350 mA	0-10V	60-120Vdc	89%	90%
LUC-042S053DTG	530 mA	0-10V	40-79Vdc	89%	90%
LUC-042S070DTG	700 mA	0-10V	28-56Vdc	88%	89%
LUC-042S105DTG	1050 mA	0-10V	20-38Vdc	87%	88%
LUC-042S140DTG	1400 mA	0-10V	15-30Vdc	86%	87%
LUC-042S175DTG	1750 mA	0-10V	12-24Vdc	86%	87%
LUC-042S210DTG	2100 mA	0-10V	10-20Vdc	85%	87%

Outdoor Single Channel CC

Outdoor Channel CC

Programmable

Single Channel CV

Single Voltage Input

Indoor CC

Intelligent Constant

Single Feedback Driver

Single Feedback

Dual-line Single Channel DC

Multi-line Channel DC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Controller

Surge Protection Device

3FD
100V



Electrical Properties	
Input Voltage	90 – 305 Vac
Input Frequency	47 Hz–63 Hz
Power Factor	0.96@ 120Vac, 0.95@ 220Vac
Input AC Current	0.8 A (max.)@ 100Vac 0.4A(max.)@ 220 Vac
Efficiency	84%(typ.) @ 120Vac(full load) 86.5%(typ.) @ 220Vac(full load)
Max. Output Power	52W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1.0 s@ 120Vac, <1.0 s@ 220Vac
Protection Functions	OTP,SCP,OVP

► Features

- Flicker Free
- High Efficiency (Up to 86.5%)
- Constant Current Output
- 0-10V Dimmable with High Accuracy
- 5% Minimum Dimming Level
- Low Ripple
- All-Around Protection: OVP, SCP, OTP
- SELV and Class 2
- Double & Reinforced Insulation
- UL,FCC,CE,ENEC,TUV,CB, © Certification

Environmental Specifications	
Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural Convection
MTBF	246,000 hours Ta=25°C
Life Time	110,000 hours Tc=60°C
Dimensions (L×W×H)	313×30×25 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	EFF. @120Vac	EFF. @220Vac
LUC-052S070DSF	700 mA	0-10V	25–75 Vdc	84%	86.5%
LUC-052S105DSF	1050 mA	0-10V	17–50 Vdc	84%	86%
LUC-052S140DSF	1400 mA	0-10V	13–37 Vdc	82%	84%



► Features

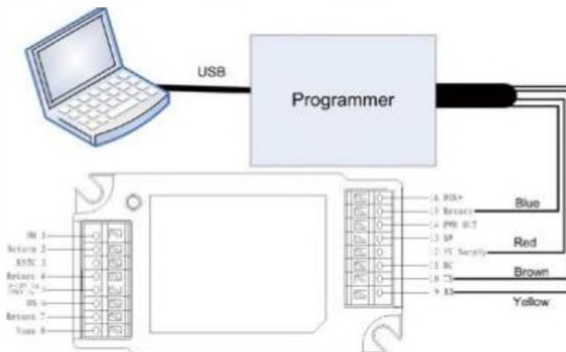
- Programmable Dimming Control
- 0-10V Dimming Voltage Output
- Programmable Soft Start
- Output Lumen Compensation
- Thermal Protection
- Daylight Harvesting
- Remote Control
- Programmable via PC Interface
- ULCE Certification

Environmental Operating Conditions

Operating Temperature	-20~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH

► Model Specification

P/N	Description
CDD-CNPN	Programmable CSIM with Default Setting
CDD-CNPNP	CSIM Programmer



Outdoor Single Channel CC

Outdoor Channel CC

Programmable

Single Channel CV

High Voltage Input

Outdoor CC

Intelligent Controller

Surge Protective Device

IPD and IPVP

TDD-ANPNx



► Features

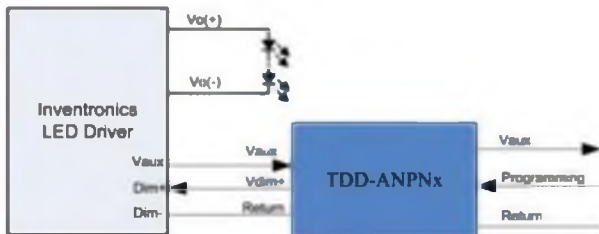
- Programmable Dimming Control Scheme
- Three Timing Solutions
- PWM Input Dimming
- Programmable Step Dimming
- Waterproof (IP66)
- UL, CE, TUV, CB Certification

Environmental Specifications

Operating Temperature	-40 - 70°C
Storage Temperature	-40 - 70°C
Operating Humidity	10% - 100% RH
Storage Humidity	5% - 100% RH

► Model Specification

Connection to LED Driver	Connection to Controller	P/N
UL Wire(black/white, purple, gray) with flying leads	UL Wire(yellow, pink, gray) with flying leads	TDD-ANPN1
UL Wire with UL female connector	UL Wire(yellow, pink, gray) with flying leads	TDD-ANPN2
UL Wire with UL female connector	UL Wire with UL male connector	TDD-ANPN3
VDE Wire(black/white, purple, gray) with flying leads	VDE Wire(yellow, pink, gray) with flying leads	TDD-ANPN4
VDE Wire with UL female connector	VDE Wire(yellow, pink, gray) with flying leads	TDD-ANPN5
VDE Wire with UL female connector	VDE Wire with UL male connector	TDD-ANPN6



Double Channel CC

Multiple Channel CC

Programmable

Single Channel CV

Step

Input CC

Intelligent Controller

Step Responsive Dimming

100W and 100V

SDD-AAPNx



► Features

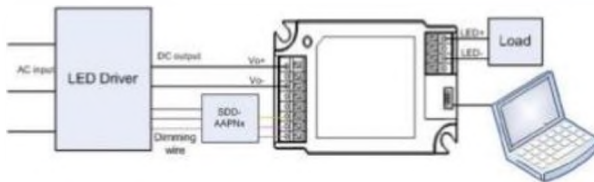
- Max Output Voltage Programmable
- 0–10V Dimmable
- IP66
- UL, CE Certification

Environmental Specifications

Operating Temperature	-40–70°C
Storage Temperature	-40–70°C
Operating Humidity	10%–100% RH
Storage Humidity	5%–100% RH
Cooling Method	Natural Convection

► Model Specification

Connection to LED driver	Connection to Controller	P/N
UL Wire/black/white, purple, gray) with Flying Leads	UL Wire/yellow, pink, gray) with Flying Leads	SDD-AAPN1
UL Wire with UL Female Connector	UL Wire/yellow, pink, gray) with Flying Leads	SDD-AAPN2
UL Wire with UL Female Connector	UL Wire with UL Male Connector	SDD-AAPN3
VDE Wire/black/white, purple, gray) with Flying Leads	VDE Wire/yellow, pink, gray) with Flying Leads	SDD-AAPN4
VDE Wire with UL Female Connector	VDE Wire/yellow, pink, gray) with Flying Leads	SDD-AAPN5
VDE Wire with UL Female Connector	VDE Wire with UL Male Connector	SDD-AAPN6



Deliver Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Boost

Isolated CC

Intelligent Controller

Bridge Protection Devices

IP66 with 10V

Outdoor Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Controller

Large Protective Device

100 and 100V



► Features

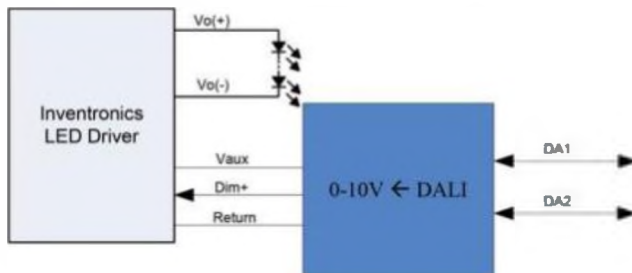
- Convert DALI Signal to 0-10V Dimming Signal
- Comply with DALI Protocol
- DALI Slave
- Waterproof (IP66)
- UL, CE Certification

Environmental Specifications

Operating Temperature	-20~70°C
Storage Temperature	-20~85°C
Operating Humidity	5%~100% RH

► Model Specification

Connection to LED driver	Connection to Controller	P/N
UL Wire(black/white, purple, gray)	UL Wire(pink, gray)	SDD-ADFN1
UL Female Connector	UL Wire(pink, gray)	SDD-ADFN2
UL Female Connector	UL Male Connector	SDD-ADFN3
VDE Wire(black/white, purple, gray)	VDE Wire(pink, gray)	SDD-ADFN4
VDE Female Connector	VDE Wire(pink, gray)	SDD-ADFN5
VDE Female Connector	VDE Male Connector	SDD-ADFN6



WDS-ADFNx



► Features

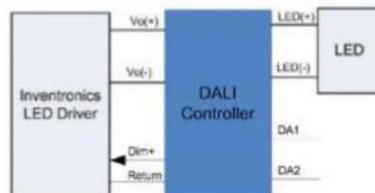
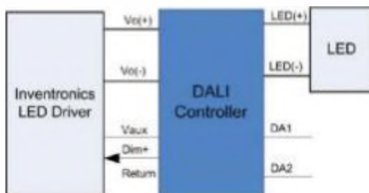
- Convert DALI Signal to 0-10V Dimming Signal
- Comply with DALI Protocol
- DALI Slave
- IP67
- On/Off Control with Internal Switch
- CE Certification

Environmental Specifications

Operating Temperature -40~60°C

► Model Specification

P/N	Selectable Output Voltage Range of LED Driver (No-load Voltage Included)	Max Input Current
WDS-ADFN0	0-80V	5A
WDS-ADFN1	80-250V	2A
WDS-ADFN2	250-500V	2A



Constant Brightness
Dimmed CC

Multiple
Dimmed CC

Programmable

Single
Dimmed CV

High Voltage
Input

Instant CC

Intelligent
Controller

Simple
Programming
Control

LED
and 10V

Eighteen Single Channel CC

Multiple Channel CC

Programmable

Single Channel CV

Input

Output CC

Intelligent Controller

Surge Protective Device

SPD and surge



► Features

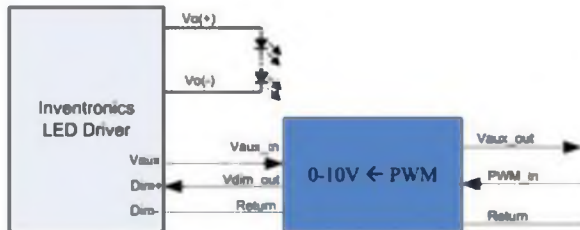
- PWM to 0-10V
- Positive Logic
- Duty Cycle Control
- Waterproof (IP66) and Damp Location
- ULCE Certification

Environmental Specifications

Operating Temperature	-40~70°C
Storage Temperature	-40~70°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural Convection

► Model Specification

Connection to LED driver	Connection to Controller	P/N
UL Wire(black/white, purple, gray) with Flying Leads	UL Wire(yellow, pink, gray) with Flying Leads	SDD-APFN1
UL Wire with UL Female Connector	UL Wire(yellow, pink, gray) with Flying Leads	SDD-APFN2
UL Wire with UL Female Connector	UL Wire with UL Male Connector	SDD-APFN3
VDE Wire(black/white, purple, gray) with Flying Leads	VDE Wire(yellow, pink, gray) with Flying Leads	SDD-APFN4
VDE Wire with UL Female Connector	VDE Wire(yellow, pink, gray) with Flying Leads	SDD-APFN5
VDE Wire with UL Female Connector	VDE Wire with UL Male Connector	SDD-APFN6





► Features

- Surge current rating = 15kA using industry standard 8/20us wave
- UL1449 Type 4
- EN 61643-11
- Comply with IEEE C62.41.2 Location Category C High
- High temperature, 85°C maximum ambient temperature rating, flameproof plastic enclosure
- IP66
- CE,UL,DEMKO, IEEE Certification

Environmental Specifications	
Operating Temperature	-40~85°C
Storage Temperature	-40~85°C
Recommended Storage Temperature	-10~40°C
Storage Humidity	≤75% RH
Recommended Storage Humidity	≤75% RH

General Specifications		
Rated Voltage	100~277Vac	
Input Frequency	47 Hz~63 Hz	
Max. Continuous Operating Voltage (MCOV)	320 Vac	
Nominal Discharge Current In(8/20us)	< 10 kA	
Number of Surges	15 kA	1
	10 kA	15
	3 kA	100
	1 kA	500

► Model Specification

Model Number	Input Voltage Range	Nominal Discharge Current In(8/20us)	In(1ms)	Up (Max. Clamped Voltage Level)	Internal Gas Discharge Tube	Tube Indicator	Rated Load Current
PU-20KS10KTTN	90~305 Vac	10 kA	15 kA	1600 V	N	N	/
PU-20KS10KTVA	90~305 Vac	10 kA	15 kA	2000 V	Y	Y	/
PU-20KD10KTSL	90~305 Vac	10 kA	15 kA	1600 V	N	N	15 A
BRU-20KS10KT	/	/	/	/	/	/	/

Outdoor Single Channel DC

Multiple Channel DC

Programmable

Single Channel CV

High Voltage Input

Indoor CC

Intelligent Controller

Surge Protective Device

SPD and other

PU-20KD10KSVG

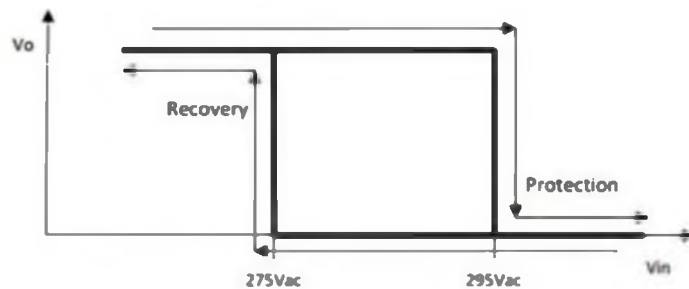


► Features

- Surge Voltage Rating = 20KV/10KA using industry standard 1.2/50us wave
- IP67
- Input Over Voltage Protection (IOVP)

Electrical Properties	
Input Voltage	150–400Vac
Input Frequency	47 Hz–63 Hz
Clamping Voltage	2.0KV(L-N), 2.5KV (LN-G)
Maximum output Power	3000 W
Input Over Voltage Protection	285Vac(Min), 295Vac(Typ), 305Vac(Max)
Over Voltage Recovery	265Vac(Min), 275Vac(Typ), 285Vac(Max)

Environmental Specifications	
Operating Temperature	-40°C – 60 °C
Storage Temperature	-40°C – 85 °C
Operating Humidity	5%– 100% RH
Storage Humidity	5%– 100% RH
MTBF	200,000 Hours Ta=25°C
Life time	50,000 Hours Tc=60°C
Dimensions(L × W × H)	154 × 67.5 × 39.5(mm)



Family	Power	Series	Dimming Type	Size(mm)	Page
LUC-010S	010W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	83.5x41.5x25.0	61
LUC-012S	012W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	104.5x42.0x30.5	62
LUC-012S	012W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	105.0x42.0x31.0	63
LUC-018S	018W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	120.0x42.0x30.5	64
LWC-018S	018W	Indoor Single Channel CC (10W-52W)	N	134.5x41.5x30.0	65
LUC-024S	024W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	120.0x42.0x30.5	66
LUC-024S (Independent)	024W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	160.0x40.0x30.0	67
LWC-024S	024W	Indoor Single Channel CC (10W-52W)	N	134.5x41.5x30.0	68
LHC-024S	024W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	120.0x42.0x30.5	69
LUC-024S	024W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	120.0x42.0x30.5	70
EUV-026S	026W	Single Channel CV (26W-500W)	N	78.0x80.0x27.0	41
EUC-026S	026W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	78.0x80.0x27.0	71
LUC-026S (Metal Case)	026W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	227.0 × 30.0 × 25.0	72
LHC-028S	028W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	95.0x70.0x32.0	73
LUC-028S	028W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	95.0x70.0x32.0	74
EUC-036S	036W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	172.0x42.4x34.0	2
EUV-038S	038W	Single Channel CV (26W-500W)	N	172.0x42.4x34.0	42
LTC-040S	040W	High Voltage Input (40W-500W)	0-10V Dimming	95.0x70.0x32.0	53
LUC-040S	040W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	95.0x70.0x32.0	75
LUC-040S	040W	Indoor Single Channel CC (10W-52W)	TRIAC Dimming	135.0x44.0x30.5	76
LUC-040S (Metal Case)	040W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	313.0 × 30.0 × 25.0	77
EUC-042S (Metal Case)	042W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	114.0 × 67.5 × 36.5	3
LUC-042D	042W	Multiple-channel CC (42W-240W)	0-10V Dimming	213.0x43.5x30.5	21
EUV-042S	042W	Single Channel CV (26W-500W)	N	95.0 × 70.0 x 32.0	43
EUC-042S	042W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	95.0x70.0x32.0	78
LUC-042S	042W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	95.0 × 70.0 x 32.0	79
LUC-042S (Independent)	042W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	120.0x80.0x32.0	80
LUC-042S (Studs Box)	042W	Indoor Single Channel CC (10W-52W)	0-10V Dimming	107.0x76.0x31.0	81
EUC-052S	052W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	172.0x42.4x34.0	4
EUV-052S	052W	Single Channel CV (26W-500W)	N	172.0x42.4x34.0	44
EUC-060S	060W	Outdoor Single Channel CC (36W-320W)	N	150.0x67.5x36.5	5
LUD-060S	060W	Programmable (60W-255W)	0-10V/PWM & DALI Programmable	418.0x30.0x21.0	32
LUC-066T	066W	Multiple-channel CC (42W-240W)	0-10V Dimming	273.3x43.5x30.0	22
LUC-072Q	072W	Multiple-channel CC (42W-240W)	0-10V Dimming	273.3x43.5x30.0	23
EUC-075S	075W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	150.0x67.5x36.5	6
EUC-075S (Class II)	075W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	150.0x67.5x36.5	7
EUC-075S (-55°C)	075W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	158.0 × 67.5 × 36.5	8
EBC-075S	075W	Outdoor Single Channel CC (36W-320W)	N	150.0 × 67.5 × 36.5	9
EBC-075S	075W	Outdoor Single Channel CC (36W-320W)	0-10V/PWM/TIMER Programmable	150.0 × 67.5 × 36.5	33
ESC-075S	075W	High Voltage Input (40W-500W)	0-10V Dimming	188.0x88.0x38.0	54
EUV-076S	076W	Single Channel CV (26W-500W)	N	418.0x30.0x21.0	45
EUC-085S	085W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	150.0x67.5x36.5	10
EUC-096S	096W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	174.0x67.5x36.5	11
EUD-096S	096W	Programmable (60W-255W)	0-10V/PWM/TIMER & DALI Programmable	194.0x67.5x36.5	34
EUV-096S	096W	Single Channel CV (26W-500W)	N	174.0x67.5x36.5	46
EUC-100S	100W	Outdoor Single Channel CC (36W-320W)	0-10V Dimming	194.0x67.5x36.5	12
EBC-100S	100W	Outdoor Single Channel CC (36W-320W)	N	170.0 × 67.5 × 36.5	13
EBC-100S	100W	Programmable (60W-255W)	0-10V/PWM/TIMER Programmable	170.0 × 67.5 × 36.5	35
EUC-100D	100W	Multiple-channel CC (42W-240W)	0-10V Dimming	184.0x67.5x36.5	24
EUV-100S	100W	Single Channel CV (26W-500W)	N	184.0x67.5x36.5	47
EUC-108T	108W	Multiple-channel CC (42W-240W)	0-10V Dimming	188.0x88.0x38.0	25

- Outdoor Single Channel CC
- Multiple Channel CC
- Programmable
- Single Channel CV
- High Voltage Input
- Indoor CC
- Intelligent Dimming
- Surge Protective Device
- SPD and IOVP

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