



► Features

- High Efficiency (Up to 89%)
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Lightning Protection
- Waterproof (IP67)
- Dimming Control
- All-Round Protection: OVP, SCP, OLP, OTP
- Comply With UL, CE, FCC, CQC, PSE, TUV, CB Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.6Amax.@110Vac, 0.3Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 89%(typ.)@220Vac(full load)
Max. Output Power	36W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	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	371,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-036S035DT(DV)	350 mA	0-10V	52~103 Vdc	89%	89%
EUC-036S035ST(SV)	350 mA		52~103 Vdc	89%	89%
EUC-036S045DT(DV)	450 mA	0-10V	40~80 Vdc	88%	88%
EUC-036S045ST(SV)	450 mA		40~80 Vdc	88%	88%
EUC-036S070DT(DV)	700 mA	0-10V	26~52 Vdc	87%	88%
EUC-036S070ST(SV)	700 mA		26~52 Vdc	87%	88%
EUC-036S105DT(DV)	1050 mA	0-10V	18~35 Vdc	86%	87%
EUC-036S105ST(SV)	1050 mA		18~35 Vdc	86%	87%
EUC-036S140DT(DV)	1400 mA	0-10V	13~26 Vdc	86%	86%
EUC-036S140ST(SV)	1400 mA		13~26 Vdc	86%	86%
EUC-036S175DT(DV)	1750 mA	0-10V	11~21 Vdc	85%	85%
EUC-036S175ST(SV)	1750 mA		11~21 Vdc	85%	85%

Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor
Constant Voltage



► Features

- High Efficiency (Up to 90%)
- Second Generation with Improved Performance
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Lightning Protection
- Waterproof (IP67)
- Dimming Control
- All-Round Protection: OVP, SCP, OLP, OTP
- Comply With UL, CE, FCC, CQC, TUV, PSE, CB Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.8Amax.@110Vac, 0.4Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	52W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OTP, SCP, OVP, OLP

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	321,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
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-052S035ST(SV)	350 mA	-	75~149 Vdc	89%	90%
EUC-052S045ST(SV)	450 mA	-	58~116 Vdc	88%	89%
EUC-052S070ST(SV)	700 mA	-	38~75 Vdc	88%	89%
EUC-052S105ST(SV)	1050 mA	-	25~50 Vdc	87%	88%
EUC-052S140ST(SV)	1400 mA	-	19~37 Vdc	86%	87%
EUC-052S210ST(SV)	2100 mA	-	13~25 Vdc	85%	86%



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (Up to 0.99)
- Constant Current Output
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,CQC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	0.8Amax.@110Vac, 0.36Amax.@220Vac
Efficiency	88%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	60W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.2s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications

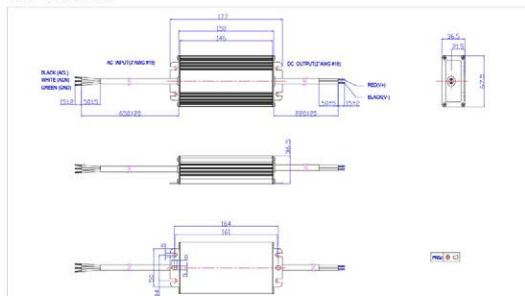
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	60,000 hours Tc=65°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

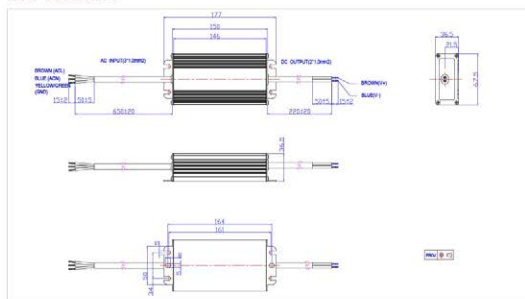
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency	
			110VAC	220VAC
EUC-060S035ST(SV)	350 mA	85~170 Vdc	88%	90%
EUC-060S045ST(SV)	450 mA	67~134 Vdc	88%	90%
EUC-060S070ST(SV)	700 mA	43~86 Vdc	88%	90%
EUC-060S105ST(SV)	1050 mA	29~58 Vdc	87%	89%
EUC-060S140ST(SV)	1400 mA	21~43 Vdc	87%	89%
EUC-060S170ST(SV)	1700 mA	18~36 Vdc	87%	89%
EUC-060S230ST(SV)	2300 mA	13~27 Vdc	86%	89%
EUC-060S330ST(SV)	3300 mA	9~18 Vdc	86%	88%
EUC-060S500ST(SV)	5000 mA	6~12 Vdc	85%	87%

► Mechanical Outline (unit:mm)

EUC-060SxxxST



EUC-060SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-spectrum
Constant Current

Indoor Full-spectrum
Constant Voltage



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC,CQC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	0.9Amax.@110Vac, 0.42Amax.@220Vac
Efficiency	88%(typ.)@110Vac(full load) , 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	<1.2s@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	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
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	85%	87%



Electrical Properties

Input Voltage	249~528 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@277Vac, 0.90@480Vac
Input AC Current	0.34Amax.@277Vac, 0.21Amax.@480Vac
Efficiency	88%(typ.)@277Vac(full load) , 87%(typ.)@480Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@277Vac, <3s@480Vac
Protection Functions	OTP,SCP,OVP,Open Lamp Protection

► Features

- High Efficiency (Up to 87%)
- Active Power Factor Correction (0.95 Typical)
- Constant Current Output
- Lightning Protection
- 0~10V Dimmable
- All-Round Protection: SCP, OTP, OVP and Open Lamp Protection.
- IP67 and UL Wet Location Approved
- IEC 61347, UL,CE,FCC Safety Standards Approved
- UL/cUL Class 2 Output

► Applications

- Street Lights, Tunnel Lights, Tandscape Lights

Environmental Specifications

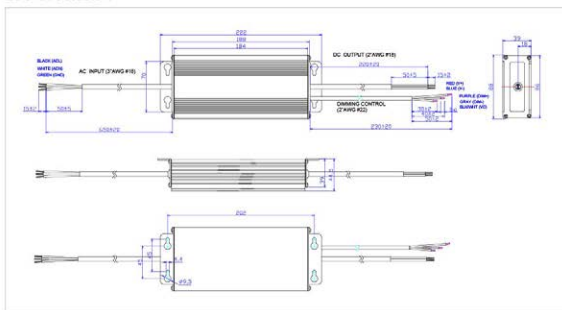
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	380,000 hours Ta=25°C
Life Time	140,000 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

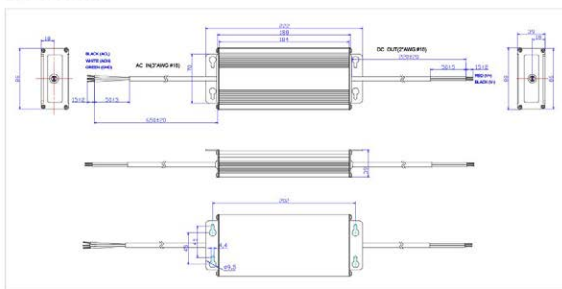
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				277VAC	480VAC
ESC-075S035ST	350 mA	-	107~214 Vdc	88%	87%
ESC-075S070ST	700 mA	-	53~107 Vdc	87%	86%
ESC-075S105ST	1050 mA	-	36~72 Vdc	88%	87%
ESC-075S140ST	1400 mA	-	26~53 Vdc	88%	87%
ESC-075S210ST	2100 mA	-	18~36 Vdc	87%	86%
ESC-075S315ST	3150 mA	-	12~24 Vdc	86%	85%
ESC-075S035DT	350 mA	0-10V	107~214 Vdc	88%	87%
ESC-075S070DT	700 mA	0-10V	53~107 Vdc	87%	86%
ESC-075S105DT	1050 mA	0-10V	36~72 Vdc	88%	87%
ESC-075S140DT	1400 mA	0-10V	26~53 Vdc	88%	87%
ESC-075S210DT	2100 mA	0-10V	18~36 Vdc	87%	86%
ESC-075S315DT	3150 mA	0-10V	12~24 Vdc	86%	85%

► Mechanical Outline (unit:mm)

ESC-075SxxxDT



ESC-075SxxxST



Indoor Down Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current



Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	1.1Amax.@110Vac, 0.5Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	85W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <1s@220Vac
Protection Functions	OVP,OTP,SCP

► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Environmental Specifications

Operating Temperature	-35~60°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=70°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-085S035ST(SV)	350 mA	-	122~243 Vdc	89%	91%
EUC-085S045ST(SV)	450 mA	-	95~189 Vdc	89%	91%
EUC-085S070ST(SV)	700 mA	-	61~121 Vdc	88%	90%
EUC-085S105ST(SV)	1050 mA	-	41~81 Vdc	88%	90%
EUC-085S140ST(SV)	1400 mA	-	31~61 Vdc	88%	90%
EUC-085S175ST(SV)	1750 mA	-	25~49 Vdc	88%	90%
EUC-085S200ST(SV)	2000 mA	-	22~43 Vdc	88%	90%
EUC-085S245ST(SV)	2450 mA	-	18~35 Vdc	87%	89%
EUC-085S280ST(SV)	2800 mA	-	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-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC Safety Regulations
- Suitable For Dry, Damp and Wet location

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.2Amax.@110Vac, 0.6Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	96W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <2s@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	400,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	174×67.5×36.5 (mm)

► Model Specification

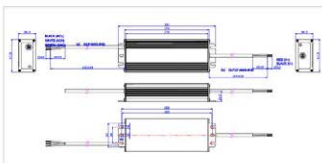
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-096S035ST(SV)	350 mA	-	137-274 Vdc	89%	91%
EUC-096S045ST(SV)	450 mA	-	106-213 Vdc	89%	91%
EUC-096S070ST(SV)	700 mA	-	68-137 Vdc	88%	90%
EUC-096S105ST(SV)	1050 mA	-	46-92 Vdc	88%	90%
EUC-096S140ST(SV)	1400 mA	-	35-69 Vdc	87%	89%
EUC-096S175ST(SV)	1750 mA	-	27-55 Vdc	87%	89%
EUC-096S210ST(SV)	2100 mA	-	22-46 Vdc	86%	88%
EUC-096S245ST(SV)	2450 mA	-	19-39 Vdc	86%	88%
EUC-096S280ST(SV)	2800 mA	-	17-34 Vdc	86%	88%
EUC-096S315ST(SV)	3150 mA	-	15-30 Vdc	85%	87%
EUC-096S350ST(SV)	3500 mA	-	13-27 Vdc	85%	87%
EUC-096S400ST(SV)	4000 mA	-	12-24 Vdc	85%	87%

► Model Specification

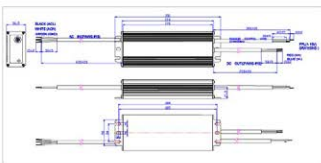
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-096S035DT(DV)	350 mA	0-10V	137-274 Vdc	89%	91%
EUC-096S045DT(DV)	450 mA	0-10V	106-213 Vdc	89%	91%
EUC-096S070DT(DV)	700 mA	0-10V	68-137 Vdc	88%	90%
EUC-096S105DT(DV)	1050 mA	0-10V	46-92 Vdc	88%	90%
EUC-096S140DT(DV)	1400 mA	0-10V	35-69 Vdc	87%	89%
EUC-096S175DT(DV)	1750 mA	0-10V	27-55 Vdc	87%	89%
EUC-096S210DT(DV)	2100 mA	0-10V	22-46 Vdc	86%	88%
EUC-096S245DT(DV)	2450 mA	0-10V	19-39 Vdc	86%	88%
EUC-096S280DT(DV)	2800 mA	0-10V	17-34 Vdc	86%	88%
EUC-096S315DT(DV)	3150 mA	0-10V	15-30 Vdc	85%	87%
EUC-096S350DT(DV)	3500 mA	0-10V	13-27 Vdc	85%	87%
EUC-096S400DT(DV)	4000 mA	0-10V	12-24 Vdc	85%	87%

► Mechanical Outline (unit:mm)

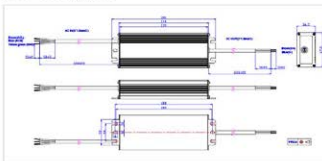
EUC-096SxxxST



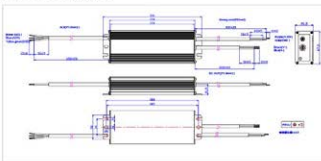
EUC-096SxxxDT



EUC-096SxxxSV



EUC-096SxxxDV



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-in
Constant Current

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-spectrum
Constant Current

Indoor Full-spectrum
Constant Voltage



► Features

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.3Amax.@110Vac, 0.6Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 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	<1.5s@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	235,000 hours Ta=25°C
Life Time	50,000 hours Tc=70°C
Dimensions (L×W×H)	194 × 67.5 × 36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-100S035ST(SV)	350 mA	-	172~286 Vdc	89%	91%
EUC-100S045ST(SV)	450 mA	-	132~222 Vdc	89%	91%
EUC-100S070ST(SV)	700 mA	-	86~143 Vdc	88.5%	90.5%
EUC-100S105ST(SV)	1050 mA	-	57~95 Vdc	88.5%	90.5%
EUC-100S140ST(SV)	1400 mA	-	43~71 Vdc	88.5%	90.5%
EUC-100S175ST(SV)	1750 mA	-	34~57 Vdc	88.5%	90.5%
EUC-100S210ST(SV)	2100 mA	-	29~48 Vdc	88.5%	90.5%
EUC-100S245ST(SV)	2450 mA	-	25~41 Vdc	88.5%	90.5%
EUC-100S280ST(SV)	2800 mA	-	22~36 Vdc	88%	90%
EUC-100S315ST(SV)	3150 mA	-	19~32 Vdc	88%	90%
EUC-100S357ST(SV)	3570 mA	-	17~28 Vdc	88%	90%
EUC-100S420ST(SV)	4200 mA	-	14~24 Vdc	88%	90%

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
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	88%	90%

Before Types Form
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Ring-channel
Constant Current

Outdoor Ring-channel
Constant Voltage

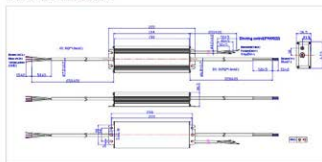
Outdoor Ring-channel
Constant Current

Indoor Built-out
Constant Current

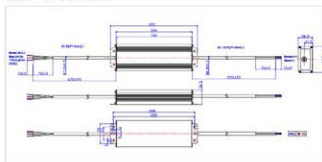
Indoor Built-out
Constant Voltage

► Mechanical Outline (unit:mm)

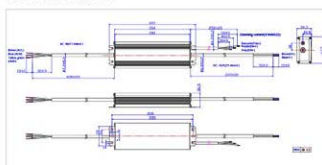
EUC-100SxxxDT



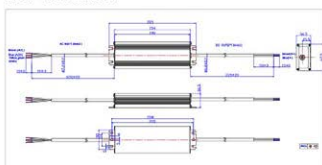
EUC-100SxxxST



EUC-100SxxxDV



EUC-100SxxxSV





► Features

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.5Amax.@110Vac, 0.75Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	120W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@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	249,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	194 × 67.5 × 36.5 (mm)

► Model Specification

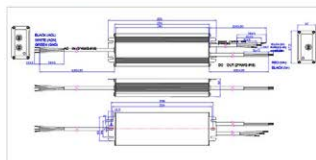
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-120S035ST(SV)	350 mA	-	206~343 Vdc	89%	91%
EUC-120S045ST(SV)	450 mA	-	160~266 Vdc	89%	91%
EUC-120S070ST(SV)	700 mA	-	103~171 Vdc	89%	91%
EUC-120S105ST(SV)	1050 mA	-	68~114 Vdc	88.5%	90.5%
EUC-120S140ST(SV)	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	88%	90%

► Model Specification

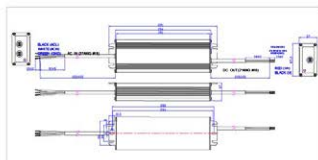
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-120S035DT(DV)	350 mA	0-10V	206~343 Vdc	89%	91%
EUC-120S045DT(DV)	450 mA	0-10V	160~266 Vdc	89%	91%
EUC-120S070DT(DV)	700 mA	0-10V	103~171 Vdc	89%	91%
EUC-120S105DT(DV)	1050 mA	0-10V	68~114 Vdc	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	88%	90%
EUC-120S245TT(TV)	2450 mA	Timer Dimming	30~49 Vdc	90%	92%

► Mechanical Outline (unit:mm)

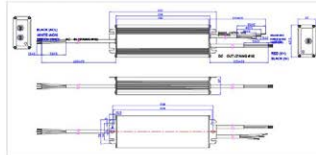
EUC-120SxxxDT



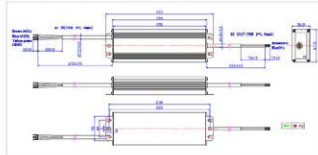
EUC-120SxxxST



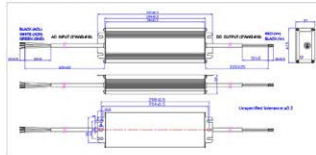
EUC-120SxxxDV



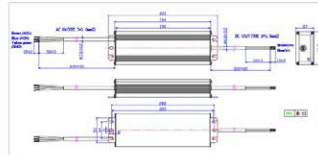
EUC-120SxxxSV



EUC-120S245TT



EUC-120S245TV





► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.95 @277Vac)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC Safety Certifications Approved

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	249~528 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@277Vac, 0.90@480Vac
Input AC Current	0.7Amax.@277Vac, 0.42Amax.@480Vac
Efficiency	91%(typ.)@277Vac(full load) , 90%(typ.)@480Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s
Protection Functions	OTP,SCP,OVP

Environmental Specifications

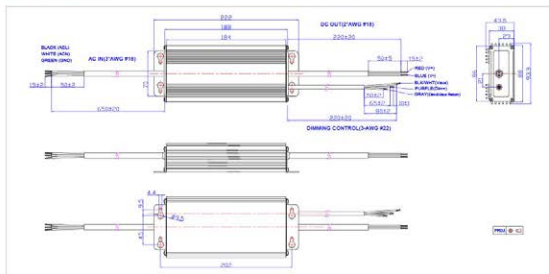
Operating Temperature	-35~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	132,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	188 × 93.9 × 44.5 (mm)

► Model Specification

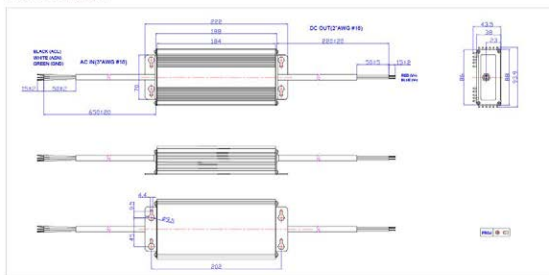
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				277VAC	480VAC
ESC-150S058ST	580 mA	-	129~257 Vdc	91%	90%
ESC-150S070ST	700 mA	-	107~214 Vdc	91%	90%
ESC-150S105ST	1050 mA	-	71~142 Vdc	90%	89%
ESC-150S140ST	1400 mA	-	53~107 Vdc	90%	89%
ESC-150S210ST	2100 mA	-	35~71 Vcd	90%	89%
ESC-150S280ST	2800 mA	-	27~54 Vdc	90%	89%
ESC-150S350ST	3500 mA	-	21~43 Vdc	89%	88%
ESC-150S420DT	4200 mA	0-10V	18~36 Vdc	89%	88%
ESC-150S058DT	580 mA	0-10V	129~258 Vdc	91%	90%
ESC-150S070DT	700 mA	0-10V	107~214 Vdc	91%	90%
ESC-150S105DT	1050 mA	0-10V	71~142 Vdc	90%	89%
ESC-150S140DT	1400 mA	0-10V	53~107 Vdc	90%	89%
ESC-150S210DT	2100 mA	0-10V	35~71 Vcd	90%	89%
ESC-150S280DT	2800 mA	0-10V	27~54 Vdc	90%	89%
ESC-150S350DT	3500 mA	0-10V	21~43 Vdc	89%	88%
ESC-150S420DT	4200 mA	0-10V	18~36 Vdc	89%	88%

► Mechanical Outline (unit:mm)

ESC-150SxxxDT



ESC-150SxxxST



Outdoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-Beam
Constant Current

Outdoor Single-Beam
Constant Voltage

Outdoor Multi-Beam
Constant Current

Indoor
Constant Voltage



► Features

- Ultra High Efficiency (Up to 92.0%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulation

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.8Amax.@110Vac, 0.9Amax.@220Vac
Efficiency	90.5%(typ.)@110Vac(full load) , 92.5%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.6s@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	195,000 hours Ta=25°C
Life Time	90,000 hours Ta=45°C
Dimensions (L×W×H)	238×79.5×46 (mm)

► Model Specification

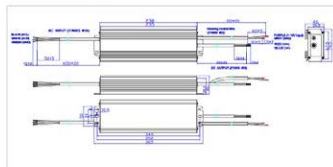
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-150S035ST(SV)	350 mA	—	256~428 Vdc	90.5%	92.5%
EUC-150S045ST(SV)	450 mA	—	200~333 Vdc	90.5%	92.5%
EUC-150S070ST(SV)	700 mA	—	128~214 Vdc	90.5%	92.5%
EUC-150S105ST(SV)	1050 mA	—	85~142 Vdc	90%	92%
EUC-150S140ST(SV)	1400 mA	—	64~107 Vdc	90%	92%
EUC-150S175ST(SV)	1750 mA	—	51~85 Vdc	89.5%	91.5%
EUC-150S210ST(SV)	2100 mA	—	42~71 Vdc	89%	91%
EUC-150S245ST(SV)	2450 mA	—	36~61 Vdc	88%	90%
EUC-150S280ST(SV)	2800 mA	—	31~53 Vdc	88%	90%
EUC-150S315ST(SV)	3150 mA	—	28~47 Vdc	88%	90%
EUC-150S350ST(SV)	3500 mA	—	25~42 Vdc	88%	90%
EUC-150S420ST(SV)	4200 mA	—	21~35 Vdc	87.5%	89.5%
EUC-150S490ST(SV)	4900 mA	—	18~30 Vdc	87.5%	89.5%
EUC-150S595ST(SV)	5950 mA	—	15~25 Vdc	86%	88%

► Model Specification

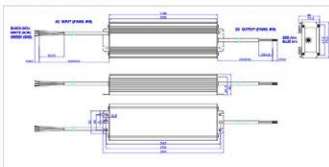
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
EUC-150S035DT(DV)	350 mA	0-10V	214~428 Vdc	110VAC	220VAC
EUC-150S045DT(DV)	450 mA	0-10V	166~333 Vdc	90.5%	92.5%
EUC-150S070DT(DV)	700 mA	0-10V	107~214 Vdc	90.5%	92.5%
EUC-150S105DT(DV)	1050 mA	0-10V	107~142 Vdc	90%	92%
EUC-150S140DT(DV)	1400 mA	0-10V	53~107 Vdc	90%	92%

► Mechanical Outline (unit:mm)

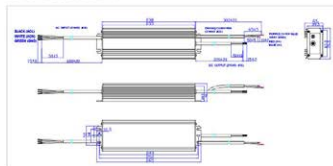
EUC-150SxxxDT



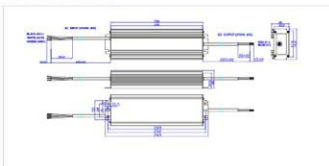
EUC-150SxxxST



EUC-150SxxxDV



EUC-150SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-channel
Constant Current

Indoor Full-channel
Constant Voltage



► Features

- Ultra High Efficiency (Up to 93%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street lights, tunnel lights, landscape lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	2.4Amax.@110Vac, 1.2Amax.@220Vac
Efficiency	91%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.6s@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	330,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	238×79.5×46 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	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	90%	92%
EUC-200S210ST(SV)	2100 mA	-	57~95 Vdc	89.5%	91.5%
EUC-200S245ST(SV)	2450 mA	-	48~81 Vdc	89.5%	91.5%
EUC-200S280ST(SV)	2800 mA	-	42~71 Vdc	89%	91%
EUC-200S315ST(SV)	3150 mA	-	38~63 Vdc	89%	91%
EUC-200S350ST(SV)	3500 mA	-	34~57 Vdc	88%	90%
EUC-200S420ST(SV)	4200 mA	-	28~47 Vdc	88%	90%
EUC-200S490ST(SV)	4900 mA	-	24~40 Vdc	88%	90%
EUC-200S560ST(SV)	5600 mA	-	21~35 Vdc	87.5%	89.5%
EUC-200S630ST(SV)	6300 mA	-	19~32 Vdc	87.5%	89.5%
EUC-200S833ST(SV)	8330 mA	-	14~24 Vdc	86%	88%