



► Features

- High Efficiency (Up to 87%)
- Active Power Factor Correction (Typical 0.95)
- Constant Voltage Output
- Waterproof (IP67)
- All-Round Protection: OVP, SCP, OCP, OTP
- Comply With UL, CE, FCC 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	0.96@110Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@110Vac, 0.3A(max.)@220Vac
Efficiency	86%(typ.)@110Vac(full load) , 87%(typ.)@220Vac(full load)
Max. Output Power	36W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OVP, OCP, SCP, OTP

Environmental Specifications

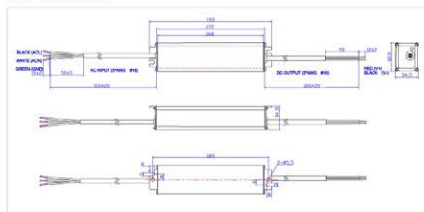
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	371,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L x W x H)	172×42.5×34.5 (mm)

Model Specification

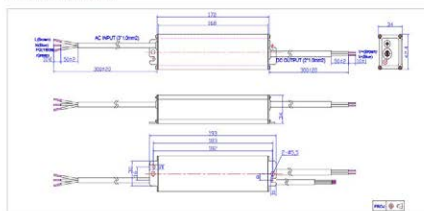
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-036S024ST(SV)	0~1500 mA	24 Vdc	84%	85%
EUV-036S036ST(SV)	0~1000 mA	36 Vdc	85%	86%
EUV-036S048ST(SV)	0~750 mA	48 Vdc	86%	87%

► Mechanical Outline (unit:mm)

EUV-036SxxxST



EUV-036SxxxSV



Water-Proof Type
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Built-in
Constant Current

Outdoor Strip-external
Constant Voltage

Outdoor Strip-external
Constant Current

Indoor
Constant Current



Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.8A(max.)@110Vac, 0.4A(max.)@220Vac
Efficiency	86%(typ.)@110Vac(full load) , 88%(typ.)@220Vac(full load)
Max. Output Power	52W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OVP, OCP, SCP, OTP

► Features

- High Efficiency (Up to 88%)
- Active Power Factor Correction (Typical 0.95)
- Constant Voltage Output
- Waterproof (IP67)
- All-Round Protection: OVP, SCP, OCP, OTP
- Comply With UL, CE, FCC Safety Regulations

► Applications

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

Environmental Specifications

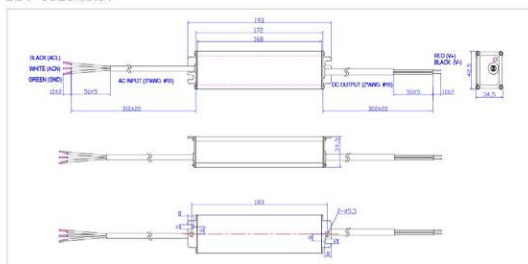
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	321,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

► Model Specification

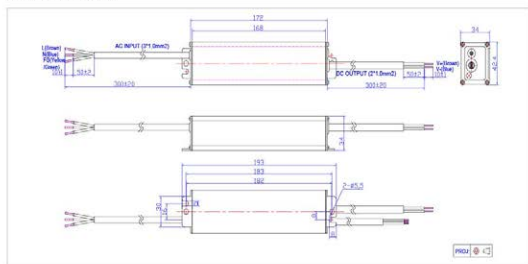
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-052S024ST(SV)	0~2170 mA	24 Vdc	84%	85%
EUV-052S036ST(SV)	0~1450 mA	36 Vdc	85%	86%
EUV-052S048ST(SV)	0~1080 mA	48 Vdc	86%	88%

► Mechanical Outline (unit:mm)

EUV-052SxxxST



EUV-052SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Plug-in
Constant Current

Outdoor Plug-in
Constant Voltage

Outdoor Plug-in
Constant Current

Indoor Plug-in
Constant Voltage



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- Waterproof (IP67)
- All-Round Protection: OVP, SCP, OTP
- Meet UL1310 Class2
- 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	0.9A(max.)@110Vac, 0.42A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	76W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<0.8s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications

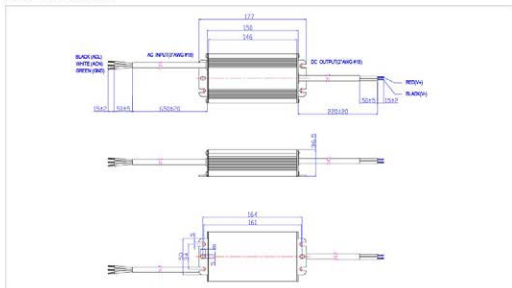
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

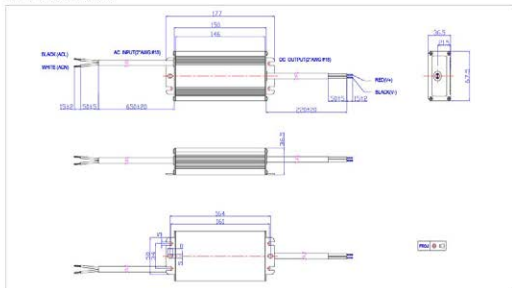
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-076S012ST(SS)	0~5.00 A	12 Vdc	85%	87%
EUV-076S024ST(SS)	0~3.17 A	24 Vdc	86%	88%
EUV-076S036ST(SS)	0~2.11 A	36 Vdc	87%	89%
EUV-076S042ST(SS)	0~1.81 A	42 Vdc	87%	89%
EUV-076S048ST(SS)	0~1.58 A	48 Vdc	88%	90%
EUV-076S054ST(SS)	0~1.41 A	54 Vdc	89%	91%

► Mechanical Outline (unit:mm)

EUV-076SxxxST



EUV-076SxxxSS



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 Multi-channel
Constant Current

Indoor Multi-channel
Constant Voltage



► Features

- Ultra High Efficiency (Up to 90%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, 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	1.2A(max.)@110Vac, 0.6A(max.)@220Vac
Efficiency	87%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	96W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<3s@110Vac, <2s@220Vac
Protection Functions	OVP,OCP,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	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 Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-096S024ST (SV)	0~4.00 A	24 Vdc	85%	87%
EUV-096S036ST (SV)	0~2.66 A	36 Vdc	86%	88%
EUV-096S048ST (SV)	0~2.00 A	48 Vdc	86%	88%
EUV-096S054ST (SV)	0~1.77 A	54 Vdc	87%	90%



► Features

- Ultra High Efficiency (Up to 93%)
- High Power Factor (0.99 Typical)
- Lightning Protection
- Waterproof (IP67)
- All-Round Protection: OVP, OCP, SCP, OTP
- 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	1.2A(max.)@110Vac, 0.6A(max.)@220Vac
Efficiency	91%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	100W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OCP,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	439,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	184×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-100S012ST(SV)	0~8.33 A	12 Vdc	89%	91%
EUV-100S024ST(SV)	0~4.05 A	24 Vdc	91%	93%
EUV-100S036ST(SV)	0~2.75 A	36 Vdc	90%	93%
EUV-100S042ST(SV)	0~2.35 A	42 Vdc	91%	93%
EUV-100S048ST(SV)	0~1.95 A	48 Vdc	90%	92%
EUV-100S054ST(SV)	0~1.75 A	54 Vdc	91%	92%



► Features

- Ultra High Efficiency (Up to 93%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- 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	1.75A(max.)@110Vac, 0.8A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<1.5s@110Vac, <1s@220Vac
Protection Functions	OVP, OCP, 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	250,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×39.5 (mm)

► Model Specification

Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-150S012ST	0~12.5 A	12 Vdc	89%	92%
EUV-150S020ST	0~7.50 A	20 Vdc	90%	92%
EUV-150S024ST	0~6.25 A	24 Vdc	90%	93%
EUV-150S036ST	0~4.17 A	36 Vdc	90%	93%
EUV-150S042ST	0~3.57 A	42 Vdc	90%	93%
EUV-150S048ST	0~3.13 A	48 Vdc	90%	93%
EUV-150S012STQ	0~12.5 A	12 Vdc	89%	92%
EUV-150S020STQ	0~7.5 A	20 Vdc	89%	92%
EUV-150S024STQ	0~6.25 A	24 Vdc	90%	93%
EUV-150S036STQ	0~4.17 A	36 Vdc	90%	93%
EUV-150S042STQ	0~3.57 A	42 Vdc	90%	93%
EUV-150S048STQ	0~3.13 A	48 Vdc	90%	93%
EUV-150S054STQ	0~2.78 A	54 Vdc	90%	93%



► Features

- Adaptive Constant Voltage Output
- High Power Factor (0.99 Typical)
- Ultra High Efficiency (Up to 91%)
- Lightning Protection
- All-Round Protection: OVP, OLP, SCP, OTP
- 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	2A(max.)@110Vac, 0.95A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	160W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OTP, OLP, SCP, OVP

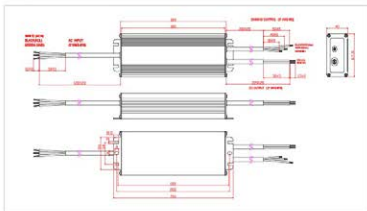
Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	189×67.5×40 (mm)

► Model Specification

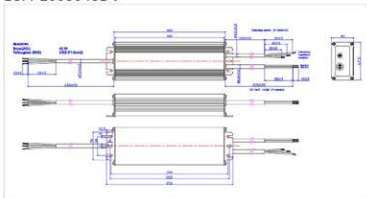
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUA-160S048ST(SV)	0 - 2.67 A		36~60 Vdc	89%	91%
EUA-160S048DT(DV)	0 - 2.67 A	0-10V	36~60 Vdc	89%	91%

► Mechanical Outline (unit:mm)

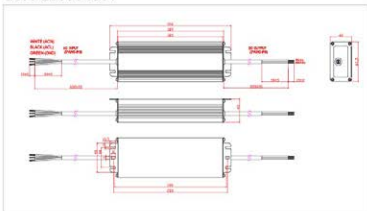
EUA-160S048DT



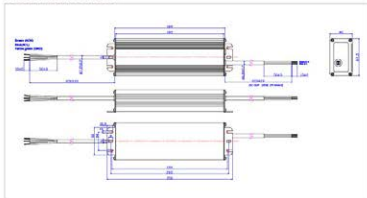
EUA-160S048DV



EUA-160S048ST



EUA-160S048SV





► Features

- Ultra High Efficiency (Up to 93%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- Waterproof (IP67)
- All-Round Protection: OVP, OCP, SCP, OTP
- 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, 0.97@220Vac
Input AC Current	2.3A(max.)@110Vac, 1.1A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<1.5s@110Vac, <1s@220Vac
Protection Functions	OVP, OCP, OTP, SCP

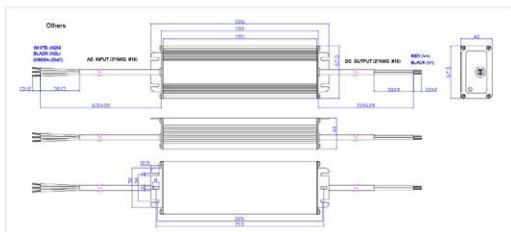
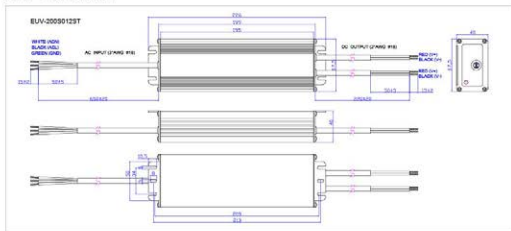
Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	247,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×40 (mm)

► Model Specification

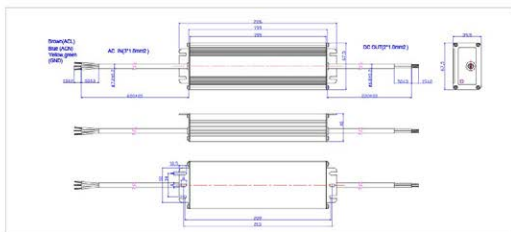
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-200S012ST(SV)	0~15.0 A	12 Vdc	89%	91%
EUV-200S024ST(SV)	0~8.33 A	24 Vdc	90%	92%
EUV-200S036ST(SV)	0~5.56 A	36 Vdc	90.5%	92.5%
EUV-200S048ST(SV)	0~4.17 A	48 Vdc	90.5%	92.5%
EUV-200S054ST(SV)	0~3.70 A	54 Vdc	90.5%	93%

► Mechanical Outline (unit:mm)

EUV-200SxxxST



EUV-200SxxxSV



Indoor Open Beam
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant System



► Features

- Ultra High Efficiency (Up to 94%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- 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	2.8A(max.)@110Vac, 1.4A(max.)@220Vac
Efficiency	92.5%(typ.)@110Vac(full load) , 94%(typ.)@220Vac(full load)
Max. Output Power	250W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<0.2s@110Vac, <0.2s@220Vac
Protection Functions	OVP, OCP, OTP, SCP

Environmental Specifications

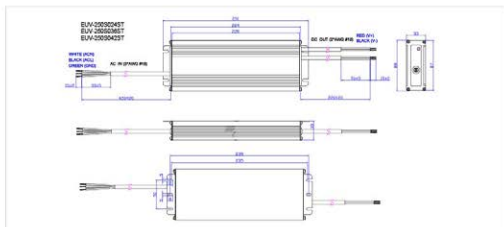
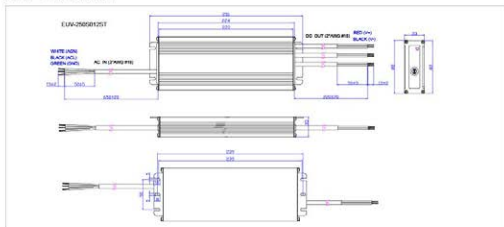
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	250,000 hours Ta=25°C
Life Time	150,000 hours Tc=70°C
Dimensions (L×W×H)	224×88×33.5 (mm)

► Model Specification

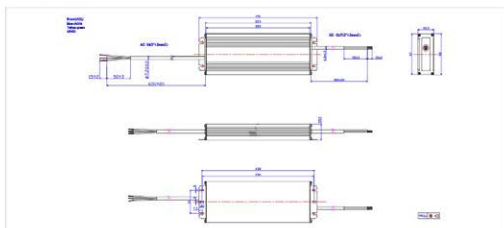
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-250S012ST(SV)	0~18.33 A	12 Vdc	89.5%	91.5%
EUV-250S024ST(SV)	0~10.41 A	24 Vdc	91.0%	93.0%
EUV-250S028ST(SV)	0~8.93 A	28 Vdc	92.0%	93.5%
EUV-250S036ST(SV)	0~6.94 A	36 Vdc	92.0%	94.0%
EUV-250S042ST(SV)	0~5.95 A	42 Vdc	91.5%	93.5%
EUV-250S048ST(SV)	0~5.20 A	48 Vdc	92.0%	93.5%
EUV-250S054ST(SV)	0~4.62 A	54 Vdc	92.5%	94.0%

► Mechanical Outline (unit:mm)

EUV-250SxxxST



EUV-250SxxxSV



Indoor Data Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-lumen
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor/Outdoor
Constant Voltage



► Features

- Ultra High Efficiency (Up to 94%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- 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	3.3A(max.)@110Vac, 1.6A(max.)@220Vac
Efficiency	92.5%(typ.)@110Vac(full load) , 94%(typ.)@220Vac(full load)
Max. Output Power	300W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<0.2s@110Vac, <0.2s@220Vac
Protection Functions	OVP,OCP,OTP,SCP

Environmental Specifications

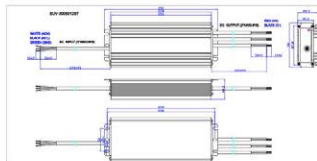
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	250,000 hours Ta=25°C
Life Time	100,000 hours Tc=70°C
Dimensions (L×W×H)	224×98×44.5 (mm)

► Model Specification

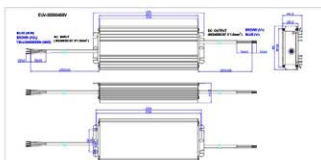
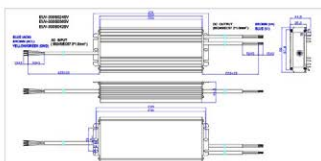
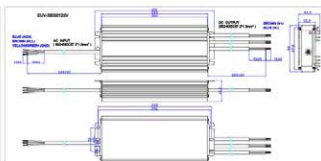
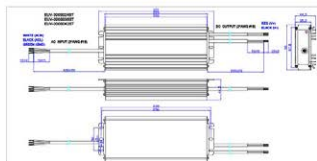
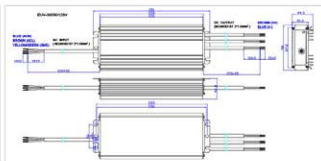
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-300S012ST(SV)	0~22.9 A	12 Vdc	89.5%	91.5%
EUV-300S024ST(SV)	0~12.5 A	24 Vdc	89.0%	91.0%
EUV-300S028ST(SV)	0~10.7 A	28 Vdc	89.5%	91.5%
EUV-300S036ST(SV)	0~8.33 A	36 Vdc	90.0%	92.0%
EUV-300S048ST(SV)	0~6.25 A	48 Vdc	92.0%	93.5%
EUV-300S054ST(SV)	0~5.55 A	54 Vdc	92.5%	94.0%

► Mechanical Outline (unit:mm)

EUV-300SxxxST



EUV-300SxxxSV



Indoor Open Beam
Constant Current

Indoor Built-out
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Outdoor
Constant Current



► Features

- Ultra High Efficiency (Up to 92%)
- High Power Factor (0.95 Typical)
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP and Open Lamp Protection
- IP67 and UL Wet Location Approved
- 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	1.4A(max.)@277Vac, 0.8A(max.)@480Vac
Efficiency	92%(typ.)@277Vac(full load) , 91%(typ.)@480Vac(full load)
Max. Output Power	300W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<3s
Protection Functions	OCP,OTP,SCP,Open Lamp Protection

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	92,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	224×93.6×44.5 (mm)

► Model Specification

Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			277VAC	480VAC
ESV-300S024ST	0~12.50 A	24 Vdc	91%	90%
ESV-300S028ST	0~10.71 A	28 Vdc	91.5%	91%
ESV-300S036ST	0~8.33 A	36 Vdc	91.5%	91%
ESV-300S048ST	0~6.25 A	48 Vdc	92%	91%

