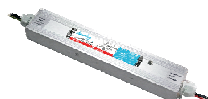




40W



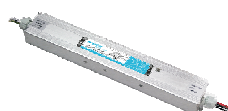
40W (C)



60W



60W (C)



90W



90W (C)

■ Features:

- Constant voltage output
- Protections: Short circuit / Over load
- Cooling by free air convection
- IP65 design for indoor or outdoor installations
- Designed for outdoor signage, decoration, lighting applications
- Compliance to worldwide safety regulations for lighting
- Aluminum housing built-in junction boxes for primary & secondary wiring
- Suitable for dry/ damp/ wet locations
- 100% full load burn -in test

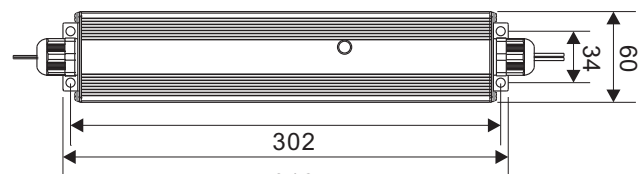
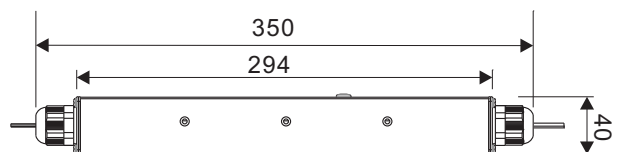
■ Specification:



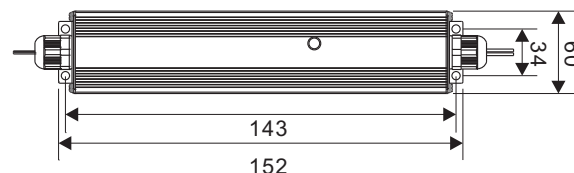
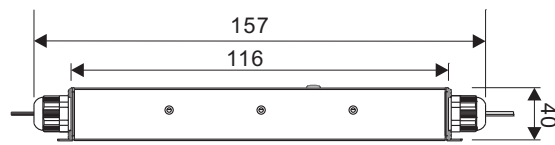
MODEL		SPS-40-12	SPS-40-12-C	SPS-60-12	SPS-60-12-C	SPS-90-12	SPS-90-12-C
OUTPUT	DC Output		12VDC 5%				
	Output Current	3.3A		5A		7.5A	
	Voltage Tolerance	5%					
	Rated Power	40 W Max.		60 W Max.		90 W Max.	
	Ripple Noise	200m VP-P					
	Setup Rise Time	1000mS/220V					
INPUT	Input Voltage	90V~132V AC					
	Frequency Range	47-63Hz					
	Efficiency	82%		83%		84%	
	AC Current @ 120VAC	0.68A		1A		1.5A	
	AC inrush current(max.)	24A @ 120VAC					
PROTECTION	Over Load	105% - 120% Rated power					
		Protection Type: Auto - recovery, after fault condition is removed.					
	Short Circuit	Protection Type: Recovery automatically after fault condition is removed					
ENVIRONMENT	Operating Temperature	-25°C ~ +50°C					
	Operating Humidity	5% ~ 95%					
	Storage Temperature	-35°C ~ +65°C					
SAFETY & EMC	UL	UL1310					
	Withstand Voltage	I/P-O/P: 1.5KVAC					
OTHERS	Dimension(mm)	350 x 60 x 40	157 x 60 x 40	390x 60 x 40	200x 60 x 40	440 x 60 x 40	250x 60 x 40
	Packing Dimension(mm)	390 x 280 x 350	270x 220 x 340	430 x 280 x 350 .	320x 285 x 335	480 x 280 x 350 .	320x 285 x 335
	Packing Weight(Kg)	20PCS/13.5	20PCS/7.5	20PCS/16.5	20PCS/11	20PCS/17.5 .	20PCS/12.5
*Note:Max.5A each output, max.7.5A total output.							

*Note:Max.5A each output, max.7.5A total output.

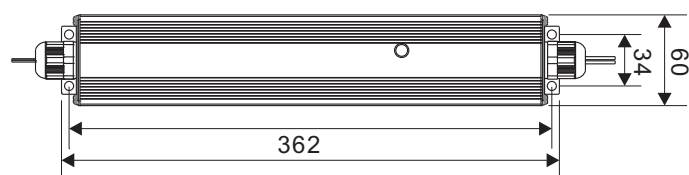
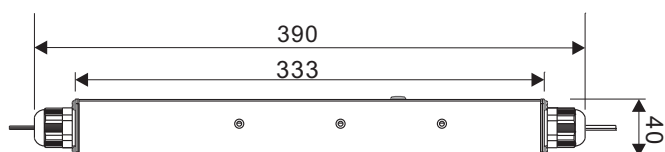
■ Dimension:



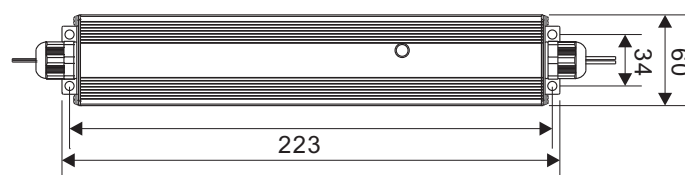
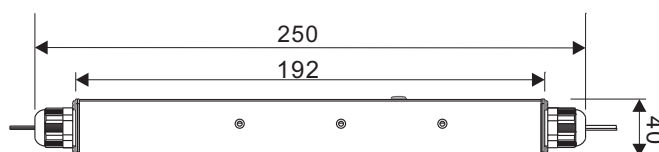
SPS-40-120



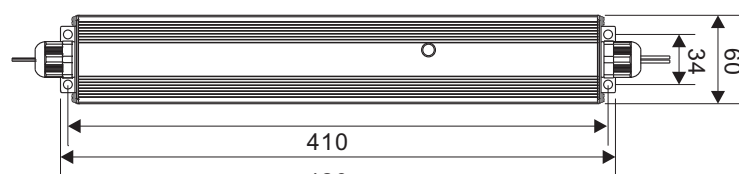
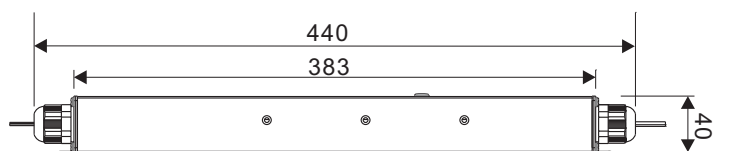
SPS-40-12-C



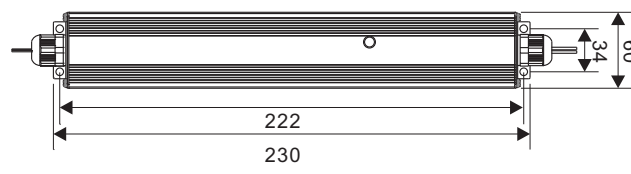
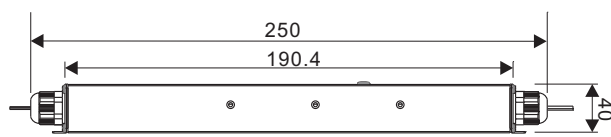
SPS-60-12



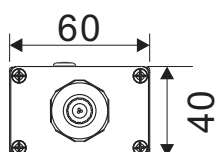
SPS-60-12-C



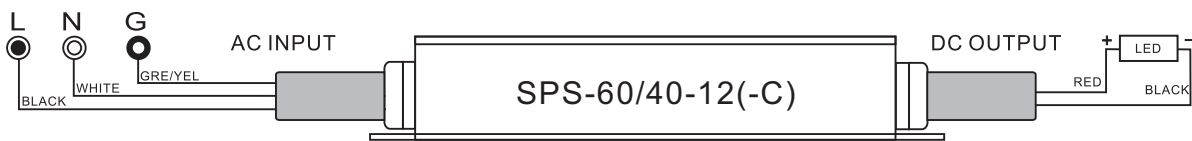
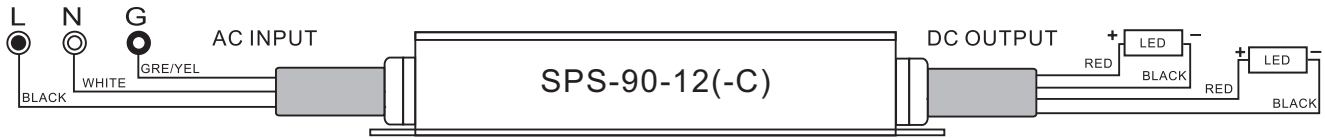
SPS-90-12



SPS-90-12-C



■ Wiring Diagram:



■ Installation Guide:

1. Typical Installation

a. Supplies required:

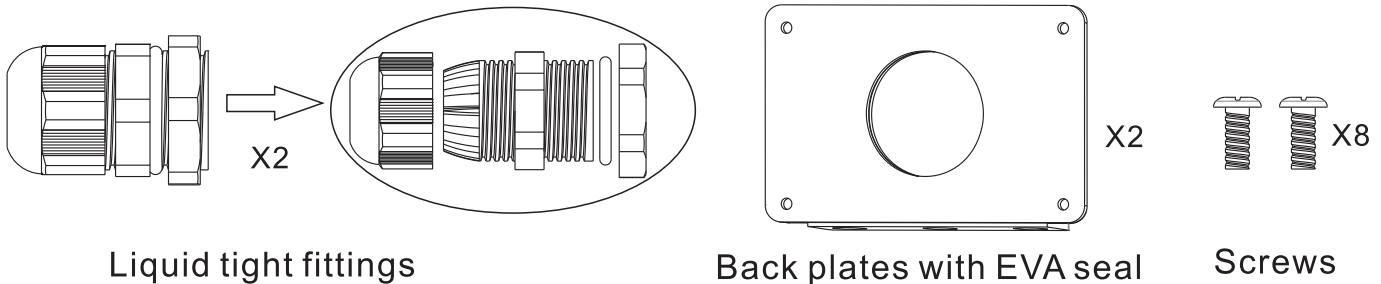
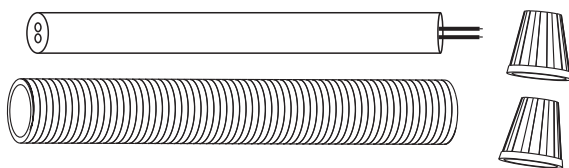
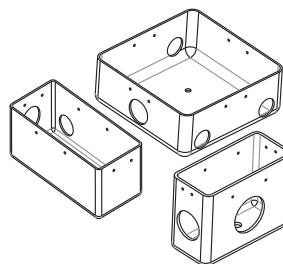


Fig.1

Optional components (Supplied separately)



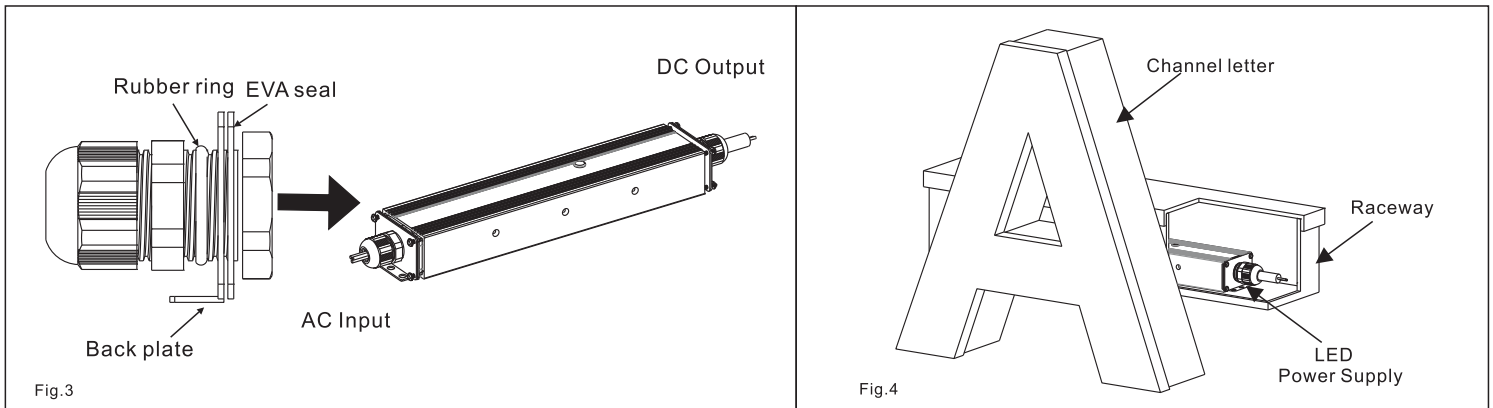
UL listed PLTC cable
UL listed liquid tight conduit
Electrical wire connectors



UL listed junction boxes

Fig.2

b. Installation in a raceway:

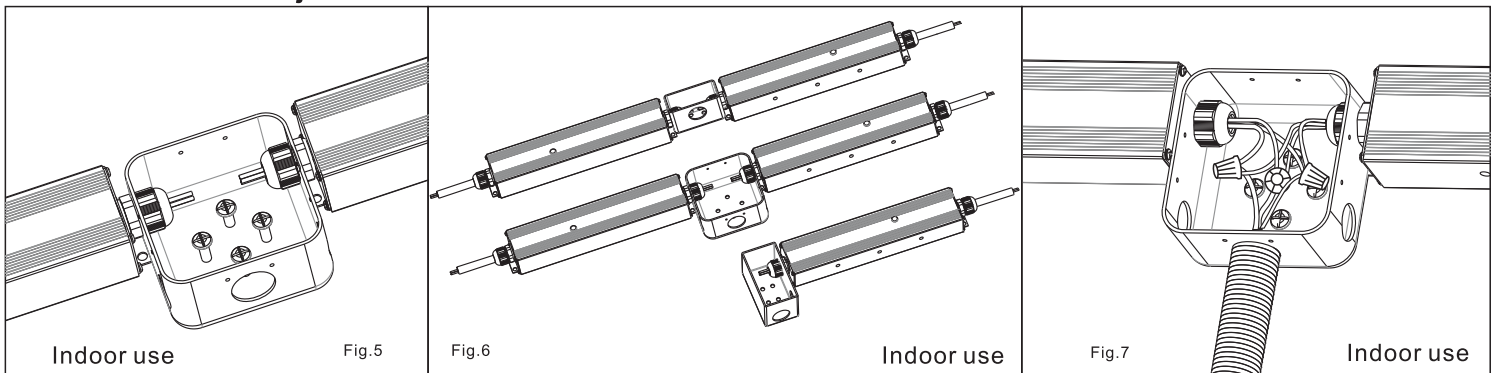


Step 1: Assemble the back plates with the liquid tight fittings, put the PLTC cable through and make the connections accordingly. **MAKE SURE** that the AC and DC cables are connected to their respective terminals. Use screws to mount the back plates to the case. Tighten up the screws and the fittings to prevent leaking. (Fig. 3)

Step 2: Put the LED Power Supply into the raceway and mount with screws. (Fig. 4)

c. Installation without junction boxes for indoor use: Follow Step 1 in “Installation in a raceway” and mount with screws.

d. Installation with junction boxes for indoor use:



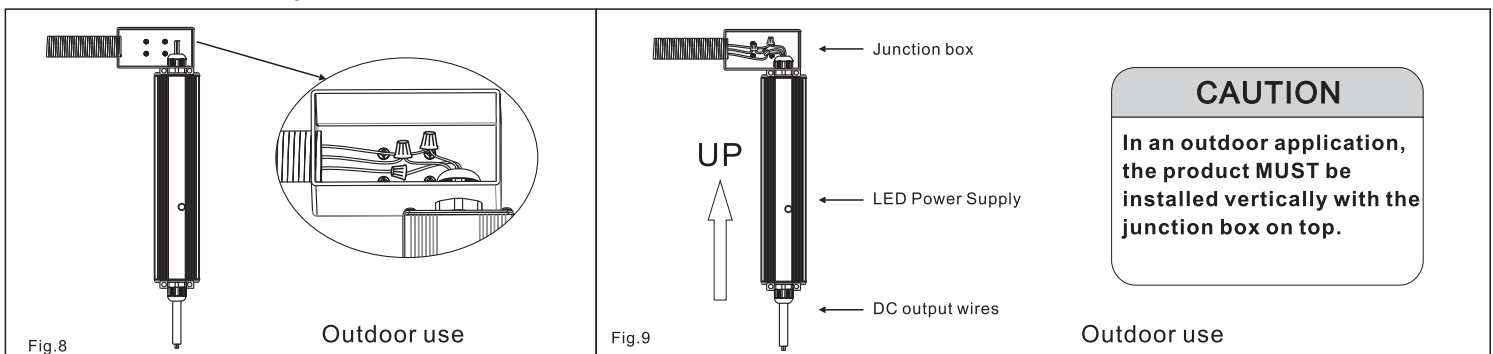
Step 1: Mount the junction box on the wall with screws.

Step 2: Assemble the back plates with the liquid tight fittings, pull the AC input cable through. At the DC output side, put the PLTC cable through and make the connections accordingly. Use screws to mount both back plates to the case. Put the AC side fitting into the knock-out hole of the junction box, Tighten up the screws and the fittings to prevent leaking and mount the DC power supply to the junction box. (Fig. 3, Fig. 5)

Step 3: Mount the DC power supply to the wall using the back plate at the DC output side with screws. (Fig. 6)

Step 4: Make the AC connections inside the junction box using electrical wire connectors. (Fig. 7)

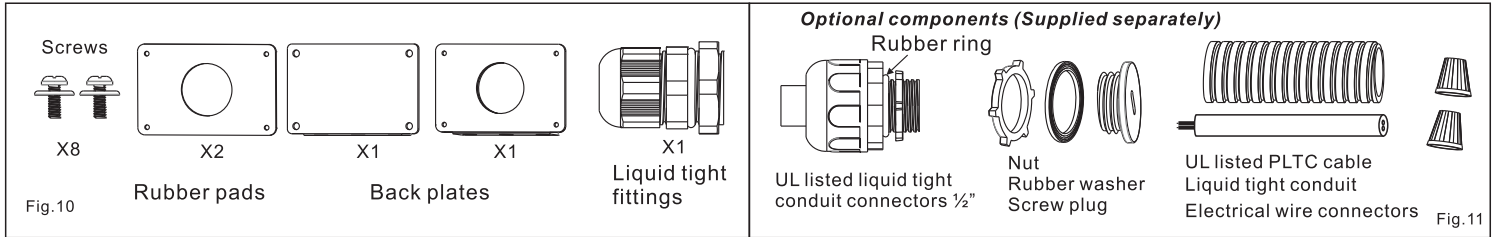
e. Installation with junction boxes for outdoor use:



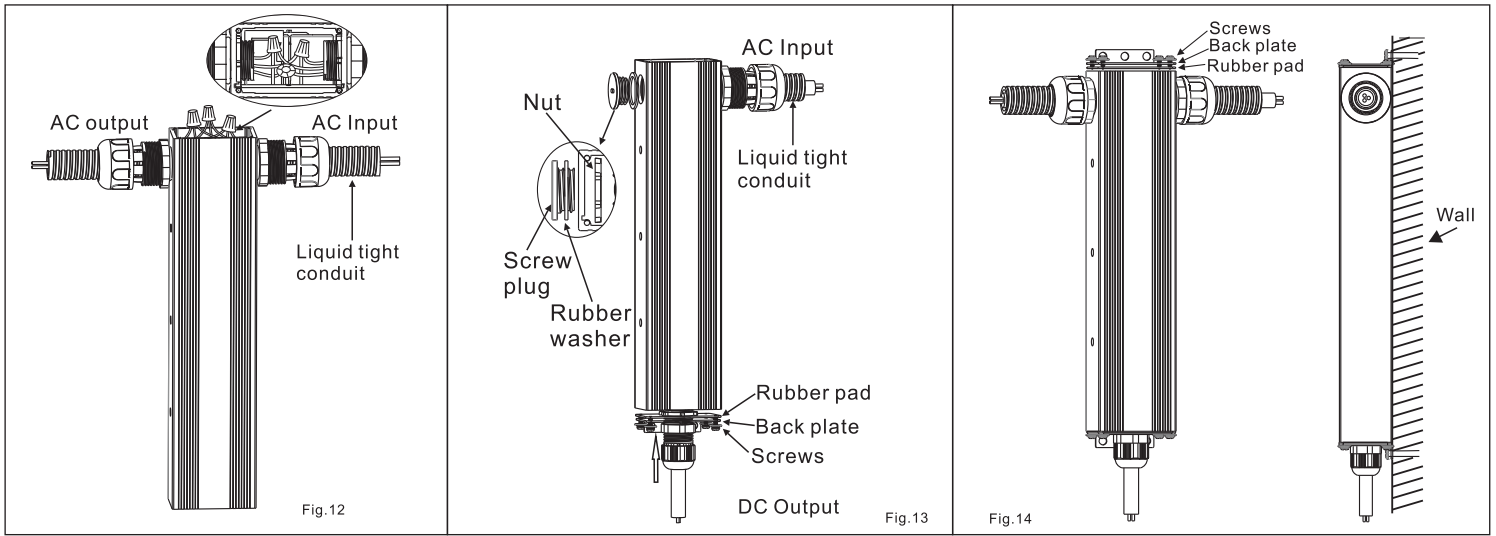
Step 1: When installing the DC power supply outdoors, follow the steps in "Installation with junction boxes for indoor use" with one condition: The product **MUST** be installed vertically with the junction box on top. Fail to do so may cause leaking over time. (Fig. 8, Fig. 9)

2. Installation Guide for Aluminum Case with Conduit holes

a. Supplies required:

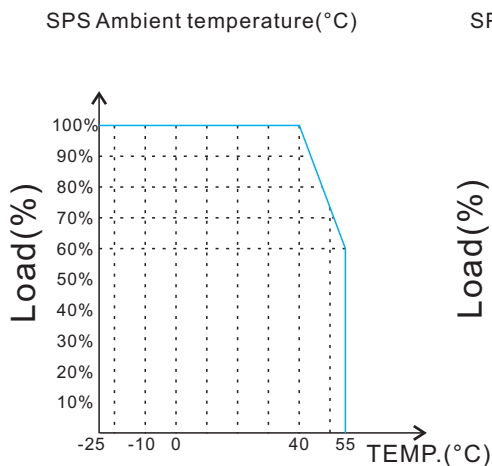


b. Installation Guide:

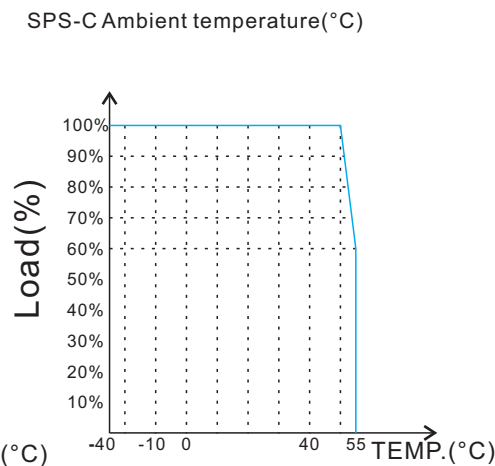


- Step 1: Assemble the liquid tight connectors with the case, put the PLTC cable through and make the connections accordingly. **MAKE SURE** that the AC and DC cables are connected to their respective terminals. When only one AC connection is needed, use an end cap to seal the knock-out hole. (Fig.12, Fig.13)
- Step 2: Use screws to mount both back plates to the DC power supply. Then mount the whole unit onto the wall using screws. Tighten up the screws, liquid tight fittings and the conduit to prevent leaking. (Fig.14)

■ Derating Curve



*NOTE: Start-up possible for 110VAC



*NOTE: Start-up possible for 110VAC

■ Static Characteristic Curve

