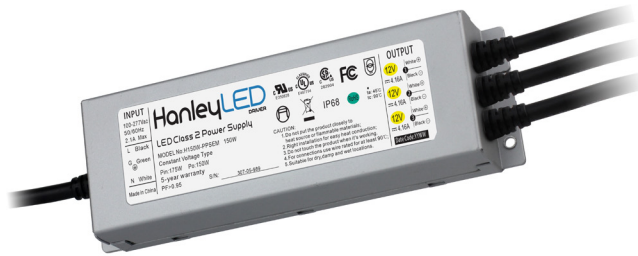# HanleyLED

HanleyLED H150W-PPSEM Spec Sheet

Efficient MAX Series

H150W-PPSEM

Features

- High performance premium power supply
- IP68 - WATERPROOF - indoor/outdoor use, dry, damp, or wet locations
- Variable input voltage with grouding wire: 100-277Vac
- OVP, OCP, SCP, OTP protection function
- Rating: Class 2, for use with LEDs and LED signage
- Tested and approved at 100% power load
- UL Retrofit Kit Classified
- 5-year Warranty

Warranty

Product	Labor
5 years	2 years labor if paired with HanleyLEDs
	1 year labor with any other qualified LEDs

Safety Certification   c UL US E350828   warranty 5P2L   CSA c US 262904   CLASSIFIED c UL US E487794   IP68   RoHS

Product Parameters

Output Characteristics

Rated Output Voltage	12V
Rated Output Current	4.16A*3 CHANNELS
Rated Output Power	150W
Output Voltage Accuracy	±5%
Output ripple & noise	≤150mV

Input Characteristics

Input Voltage Range	90 ~ 305Vac
Input Frequency Range	47HZ ~ 63HZ
Input Current	1.75A/115Vac | .75A/277Vac
Inrush Current (cold start)	≤ 80A
Efficiency	≥ 93% (230Vac)
PF	≥ .95(230Vac)
Power Input	2.1A Max

Protective Characteristics

Over-Current Protection
Short-Circuit Protection
Over-Voltage Protection
Over-Temperature Protection

Environmental Characteristics

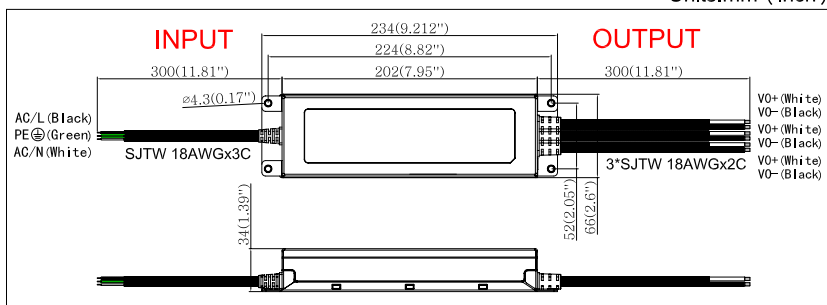|	
Working Temperature	-40° ~ +60°C
Working Humidity	20 ~ 95% RH (non-condensing)
Storage Temperature	-40° ~ +80°C
Storage Humidity	10 ~ 95% RH
IP Rating	IP68
Vibration	10 ~ 500HZ, 5G 30 minutes (for X, Y, Z each axis)

Safety and EMC

Safety Rating	IP68, Class 2
Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVac/10mA/3S
	I/P-Case 1.8KVac/10mA/3S
Insulation Resistance	100MOhm Min/500Vdc/3S
Grounding Resistance	100mOhm
EMC	FCC part 15classB

Other Characteristics

MTBF	>50,000Khrs. MIL-HDBK-217F (25°C)
Size	202*66*34.5mm (L*W*H)
Weight	1KG

Profile Drawings

Units:mm（inch）

INPUT   234(9.212")   OUTPUT
300(11.81")   224(8.82")   300(11.81")
∅4.3(0.17")   202(7.95")

AC/L (Black)
PE⊕(Green)
AC/N (White)
SJTW 18AWGx3C

34(1.39")   52(2.05")   66(2.6")

3*SJTW 18AWGx2C

V0+(White)
V0−(Black)
V0+(White)
V0−(Black)
V0+(White)
V0−(Black)

- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Ensure the power supply position has sufficient airflow. Operating temperature must be between -40°C to +60°C.
- Do not overload the power supply with multiple appliances.
- Power supply operates at high temperature. To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- Do not attempt to install by yourself. Please contact the supplier with any questions.
- Please read and follow the instructions carefully before installing. Ensure all contact points are in good working order.
- Please pay attention to the environment, and check for any unsafe conditions.

HanleyLED H150W-PPSEM Spec Sheet

www.hanleyledsolutions.com   Your Local Distributor: Grimco
US www.grimco.com • 800.542.9941 | Canada www.grimco.ca • 800.263.1421 | International 305.885.0088

Spacing Between Power Supplies

Recommended Drivers Per Enclosure:
60W = 2 max
100W = 1 max
96W = 1 max
120W = 1 max
150W = 1 max
180W = 1 max
192W = 1 max
240W = 1 max
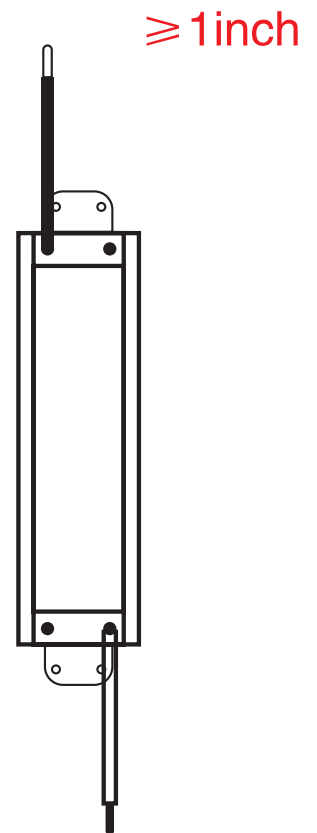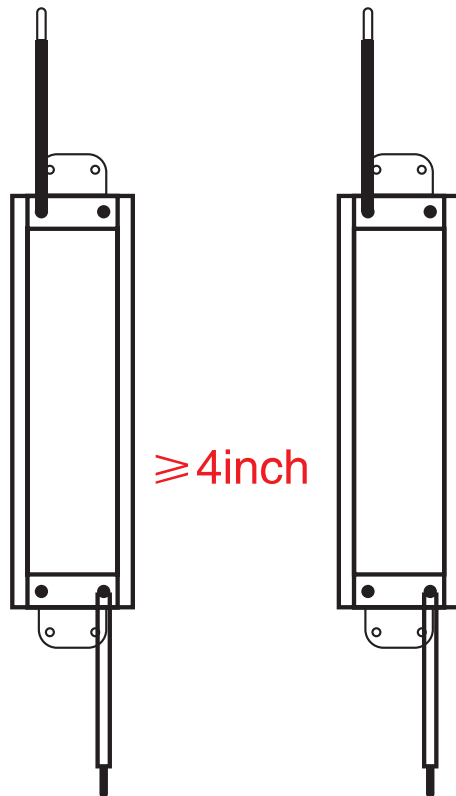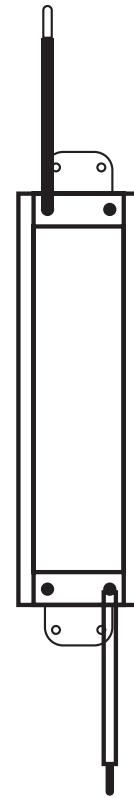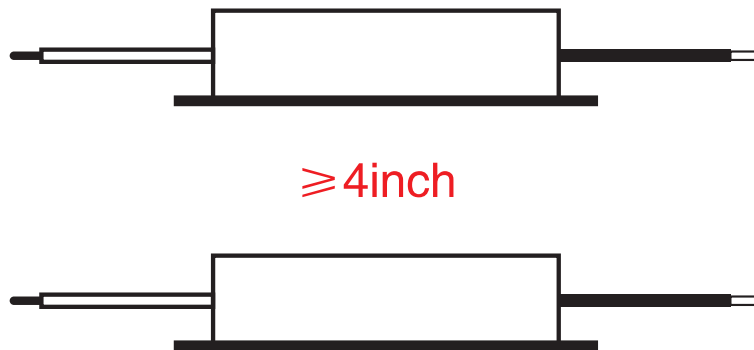
≥4inch

≥4inch

≥1inch

UL 48 Standard requires spacing between LED power supplies shall be at least 1 inch from end to end and 4 inches from side to side. This is to ensure adequate heat dissipation. Greater spacing may be required when heat ventilation in the sign or power supply enclosure is not adequate.

HanleyLED Class 2 Wiring Guide

www.hanleyledsolutions.com Your Local Distributor: Grimco
US www.grimco.com • 800.542.9941 | Canada www.grimco.ca • 800.263.1421 | International 305.885.0088