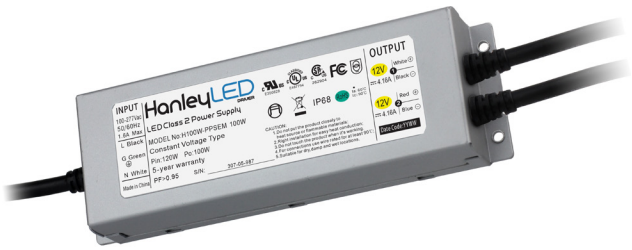
HanleyLED H100W-PPSEM Spec Sheet

Efficient MAX Series

H100W-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

Safety Certification E350828 262904 E487794 IP68 RoHS

Warranty

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

Product Parameters

Output Characteristics

Rated Output Voltage	12V
Rated Output Current	4.16A*2 CHANNELS
Rated Output Power	100W
Output Voltage Accuracy	±5%
Output ripple & noise	≤150mV

Input Characteristics

Input Voltage Range	90 ~ 305Vac
Input Frequency Range	47HZ ~ 63HZ
Input Current	1.15A/115Vac | .55A/277Vac
Inrush Current (cold start)	≤ 80A
Efficiency	≥ 90% (230Vac)
PF	≥ .95(230Vac)
Power Input	1.6A 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

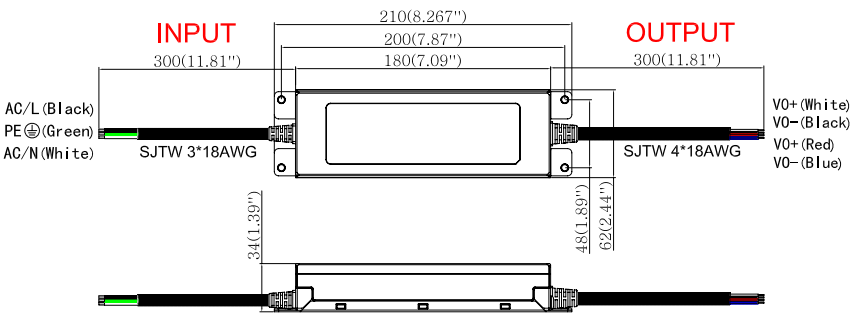
Safety Rating	IP68, Class 2
Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVac/10mA/3S I/P-Case 1.8KVac/10mA/3S
Insulation Resistance	100MOhm Min/500Vdc/3S
Grounding Resistance	100mOhm
EMC	FCC part 15classB

Other Characteristics

MTBF	>50,000Khrs. MIL-HDBK-217F (25°C)
Size	180*62*34mm (L*W*H)
Weight	0.8KG

Profile Drawings

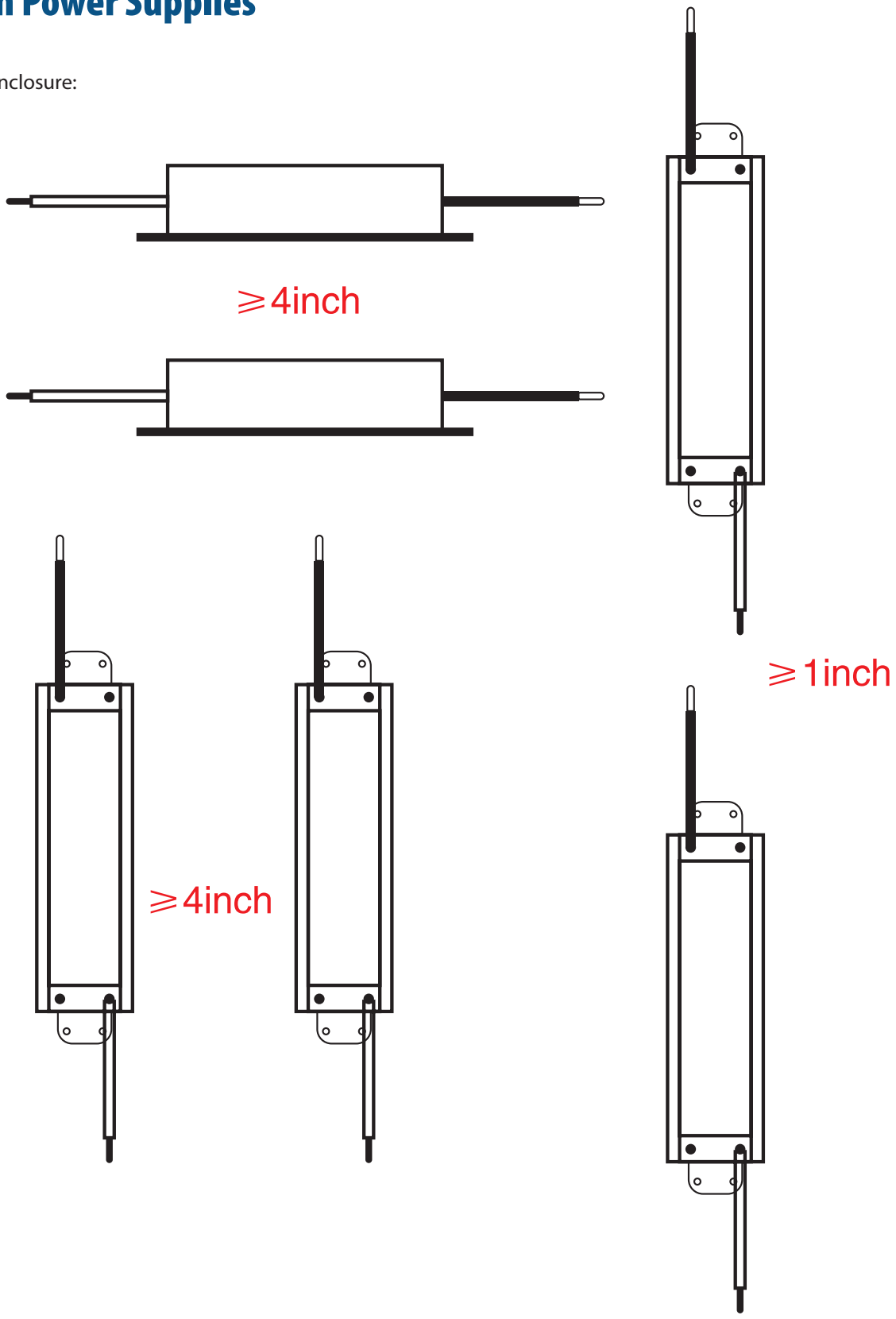
Unit: mm (inch)



- 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.

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



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.