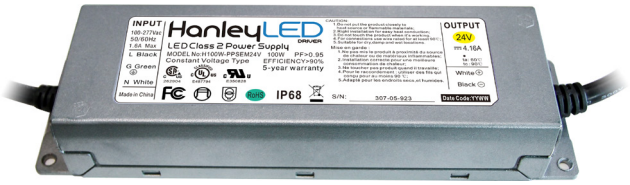
HanleyLED H100W-PPSEM24V Spec Sheet

Efficient MAX Series

H100W-PPSEM24V



Features

- High performance premium power supply
- IP68 - WATERPROOF - indoor/outdoor use, dry, damp, or wet locations
- Variable input voltage with grounding wire: 100-277Vac
- OVP, OCP, SCP, OTP protection function
- 100 watt, 24 volt 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 24v

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	24V
Rated Output Current	4.16A*1 CHANNEL
Rated Output Power	100W
Output Voltage Accuracy	±5%
Output ripple & noise	≤240mV

Input Characteristics

Input Voltage Range	90 ~ 305Vac
Input Frequency Range	47HZ ~ 63HZ
Input Current	1.6A Max
Inrush Current (cold start)	≤ 80A
Efficiency	≥ 90% (230Vac)
PF	≥ .95(230Vac)

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

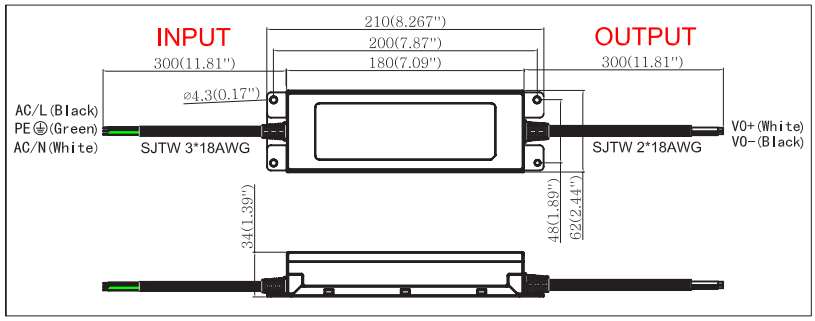
Safety Rating	IP68, Class 2
Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVac/10mA/3S I/P-Case 1.8KVac/10mA/3S
Insulation Resistance	100MOhm Min/500Vdc/3S
Grounding Resistance	100mOhm
EMC	FCC part 15classB

Other Characteristics

MTBF	>50,000 hrs. MIL-HDBK-217F (25°C)
Size	180*62*34mm (L*W*H)
Weight	.8KG

Profile Drawings

Units: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.

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