



**HEP-600 Series
Switching Power Supply
for Harsh Environment**



MEAN WELL HEP-600 Series Switching Power Supply for Harsh Environment Installation Guide

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MEAN WELL HEP-600 Series Switching Power Supply for Harsh Environment



Specifications

MODEL	OUTPUT	RATED CURRENT	RATED POWER	RIPPLE & NOISE (max.)	VOLTAGE ADJUST RANGE	CURRENT ADJUST RANGE	LINE REGULATION	LOAD REGULATION	SETUP, RISE TIME	HOLD UP TIME (Typ.)	VOLTAGE RANGE	FREQUENCY RANGE	POWER FACTOR (Typ.)	EFFICIENCY (Typ.)	AC CURRENT (Typ.)	INRUSH CURRENT (Typ.)	LEAKAGE CURRENT
HEP-600-36	12V	40A	480W	150mVp-p	10.2~12.6V	20~40A	—	—	500ms, 80ms at full load 230VAC / 115VAC	15ms at full load 230VAC / 115VAC	85~264VAC (277VAC optional)	47~63Hz	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.93/277VAC at full load	93%	7A / 15VAC 3.3A / 230VAC 2.9A / 277VAC	COLD START 70A (width h=1000s measured at 50% I _p peak) at 230VAC	2~5V or Open circuit Power off : Low

Product Usage Instructions

Description

HEP-600 is a 600W industrial AC/DC power supply featuring the outstanding capability to operate under highly humid, dusty, oily, and high-vibration harsh environment. The entire series is housed with the aluminum case and fully potted with heat-conducted silicone. Thanks to state-of-the-art design, the working efficiency is up to 96%, enabling HEP-600 perfectly work between -40°C and +70°C under free air convection.

Installation

- Ensure the power supply is compatible with your device's requirements.
- Connect the power supply to a suitable power source following the voltage and current specifications.

Adjustment

Use the internal potentiometer to adjust the current within the specified ranges for your application.

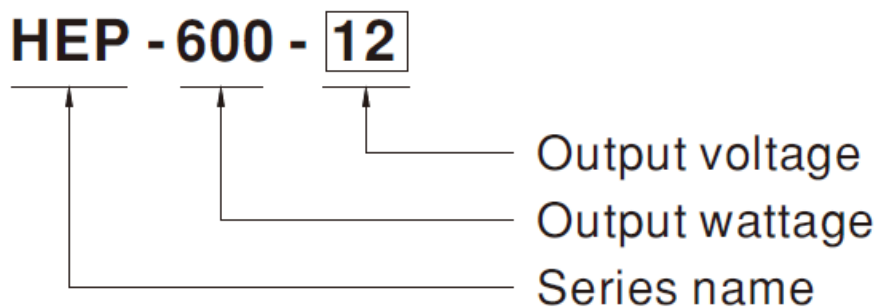
Power On

After installation, power on the switching power supply and verify that it is functioning correctly.

Features

- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- No load power consumption <0.5W at remote OFF
- High efficiency up to 96%
- Fanless design, cooling by free air convection
- -40 ~ +70°C wide operating range
- Aluminum case and filling with heat-conducted glue
- Withstand 10G vibration test
- Output voltage and output current can be adjusted through internal potentiometer
- Protections: Short circuit / Over current / Over voltage / Over temperature
- LED indicator for power on
- Operating altitude up to 5000 meters (Note.7)
- 6 years warranty

Model Encoding

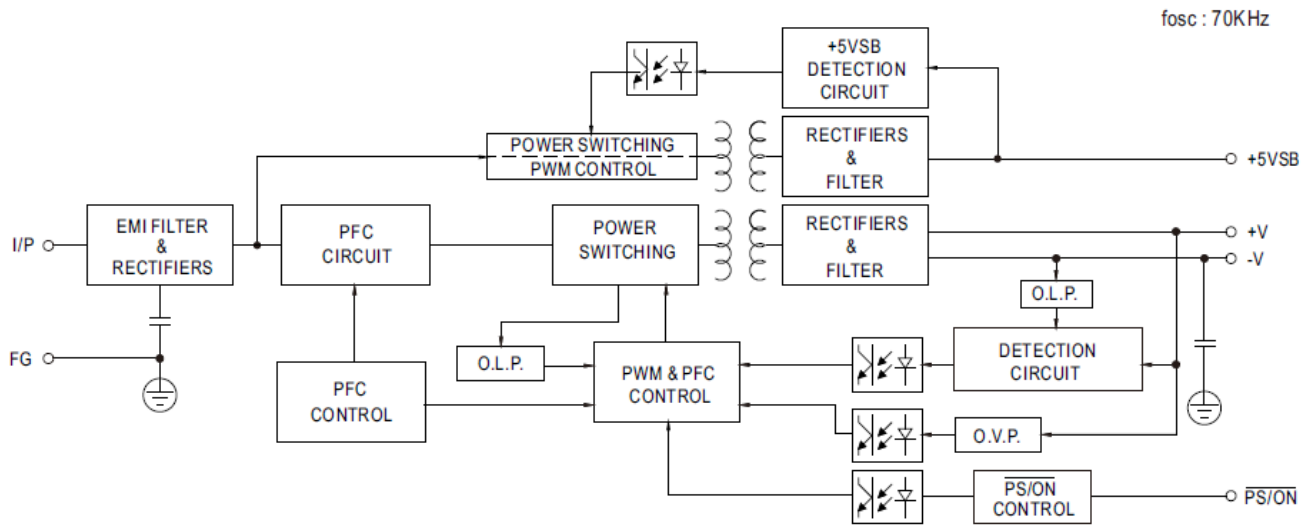


Applications

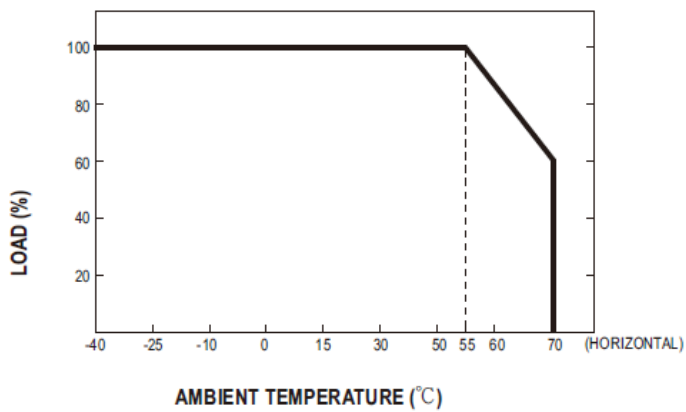
- Outdoor telecommunication equipment

- Outdoor electronic signage and billboard
- Petroleum plant or mine shaft facility

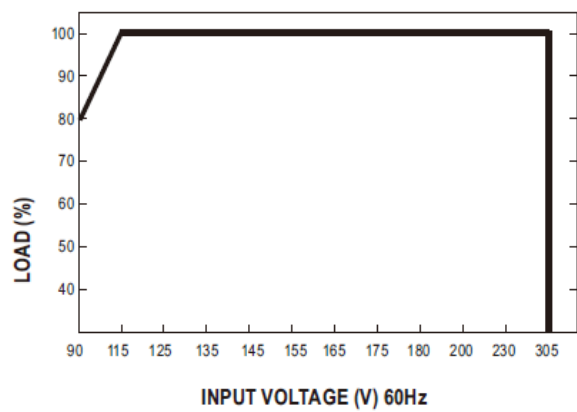
■ Block Diagram



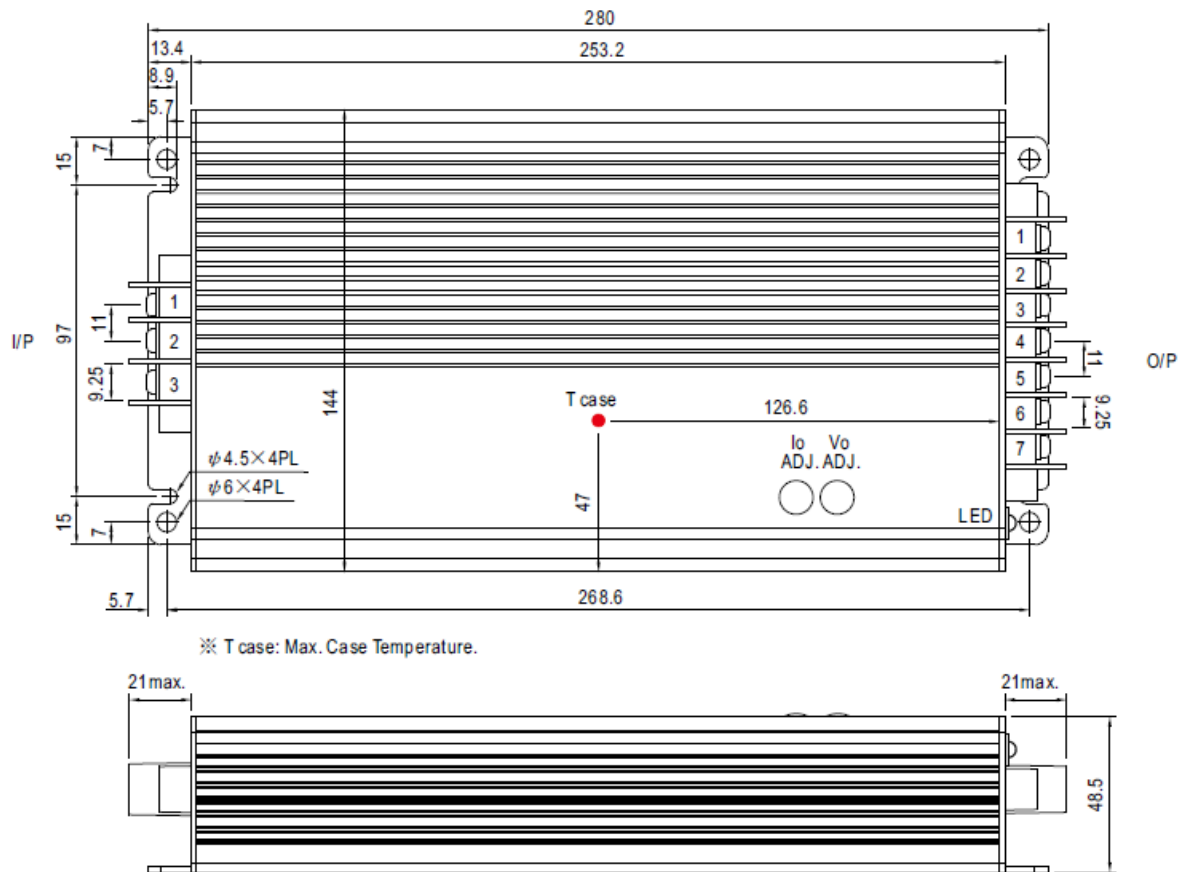
■ Derating Curve



■ Static Characteristics



Mechanical Specification



※ Output voltage and constant current level can be adjusted through internal potentiometer.
(Can access by removing the rubber stopper on the case.)

AC Input Terminal Pin No. Assignment

Pin No.	Assignment
1	FG (Earth)
2	AC/L
3	AC/N

DC Output Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	RC+	4,5	-V
2	RC- & GND	6,7	+V
3	+5V _{SB}		

Installation Manual

Please refer to: <http://www.meanwell.com/manual.html>

Safety Precautions

- Avoid exposing the power supply to water or extreme temperatures.
- Do not attempt to modify the power supply unit in any way.

FAQs

Q: Can this power supply be used in outdoor environments?

The power supply is designed for harsh environments, but direct exposure to weather elements should be avoided.

Q: How can I adjust the voltage output of the power supply?

The voltage can be adjusted within the specified ranges using the provided adjustment options.

Documents / Resources



[MEAN WELL HEP-600 Series Switching Power Supply for Harsh Environment](#) [pdf] Installation Guide
HEP-600-12, HEP-600-15, HEP-600-20, HEP-600-24, HEP-600-30, HEP-600-36, HEP-600-42, HEP-600-48, HEP-600-54, HEP-600 Series Switching Power Supply for Harsh Environment, HEP-600 Series, Switching Power Supply for Harsh Environment, Supply for Harsh Environment, Harsh Environment

References

- [User Manual](#)

Manuals+, Privacy Policy

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