

HiTRON

HARMONIC CORRECTION (PFC) AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 68 WATTS SWITCHING POWER SUPPLIES HEP70 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3PL/2P AC RECEPTACLE
- MEET IEC61000-3-2 HARMONIC CORRECTION
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN 55022/FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Power Factor Correction (PFC) installed.
Input Connector: IEC320-3PL or 2P AC receptacle.
Input Frequency: 47-63Hz.
Inrush Current: 60A@230Vac.
Input Current: 0.7A@115Vac & 0.37A@230Vac typical.
Dielectric Withstand: Meet IEC950.
EMI: Meet EN55022 / FCC Class B.
Power Factor Correction: Meet IEC61000-3-2 Harmonic Correction. PF typ. 0.95-0.99.
Hold-up Time: 16mS @115Vac typical.
38.4mS @230Vac typical.
Over Temp. Protection (OTP): Installed.
Earth Leakage: 0.34mA @230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 68 Watt typical.
Connector & Cord: Optional.
Line Regulation: 0.1% typical.
Load Regulation: $\pm 3.0\%$ typical.
Noise & Ripple: 1.0% typical peak to peak.
OVP: Built-in. (Latch).
Adjustability: Factory set.
Overload Protection:
Fully protected against output overload and short circuit.
OLP typically set at 116% max. load.
Consult the factory for special OLP setting.

GENERAL SPECIFICATION

Efficiency: 87.0% typical.
Switching Frequency: Approximate 73K Hz.
Circuit Topology: Fixed frequency Flyback circuit.
Transient Response: Output voltage returns in about 0.4mS following a 50% load change.
Safety Standard: UL1950/EN60950 DT7 for Class I.
DT8 for Class II.
Power Density: 5.83 Watts / Cubic inch.

Operating Temperature: 0 to +40°C.
Storage Temperature: -20°C to +85°C.
Temperature Coefficient: 0.04%/°C typical.
Cooling: Free air convection cooling.
Construction: Impact resistant thermo- plastic enclosure.
Desktop Format.

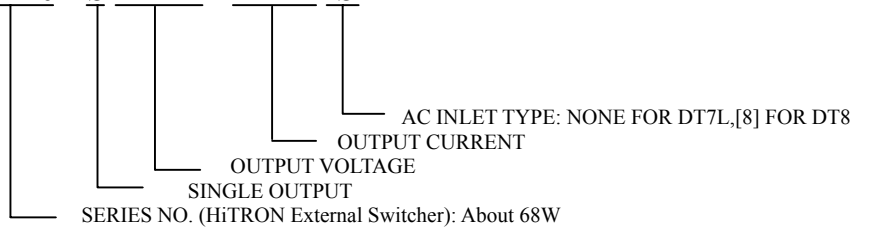
NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.



In application

Due to requests in market and advances in technology, specifications subject to change without notice.

MODEL NO. DESCRIPTION: HEP70 - S X X X Y Y Y - S



OUTPUT VOLTAGE / CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	AC PLUG	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (A)
HEP70-S175400	DT7L	17.5V	4.0A
HEP70-S175400-8	DT8	17.5V	4.0A
HEP70-S180380	DT7L	18.0V	3.8A
HEP70-S180380-8	DT8	18.0V	3.8A
HEP70-S190370	DT7L	19.0V	3.7A
HEP70-S190370-8	DT8	19.0V	3.7A
HEP70-S200360	DT7L	20.0V	3.6A
HEP70-S200360-8	DT8	20.0V	3.6A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 324.0g (11.5 Oz.)

