

HiTRON

HARMONIC CORRECTION (PFC) AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 100 WATTS GREEN POWER SWITCHING POWER SUPPLIES HEPG98 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3PL/2P AC RECEPTACLE
- GREEN POWER
- MEET IEC61000-3-2 HARMONIC CORRECTION
- EMI MEET EN55022/FCC CLASS B
- MEET UNIVERSAL SAFETY STANDARDS
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Power Factor Correction (PFC) installed.

Input Connector: IEC320-3PL/2P AC receptacle.

Input Frequency: 50/60Hz.

Inrush Current: Typ. 10.6Arms @230Vac 50Hz.

Input Current: 0.97A@115Vac/0.5A@230Vac

Dielectric Withstand: Meet IEC60950-1.

EMI: Meet EN55022/FCC Class B.

Hold-up Time: 15mS @115Vac/ 28mS@230Vac typical.

Green Power: 0.29W @ 132Vac/ 0.45W @264Vac.

Earth Leakage: Less than 0.24mA.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.

Output Current: See Ratings Chart.

Output Wattage: 100 Watts.

Output Connector: Optional.

Line Regulation: 0.2 % typical.

Load Regulation: $\pm 2.5\%$ typical.

Noise & Ripple: 1% typical peak to peak.

OVP: Built-in. (Latch)

Over Temp. Protection (OTP): Installed.

Overload Protection (OLP):
Fully protected against output overload and short circuit.
OLP set at about 110-135% rating output wattage.
Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: 88-90% typical.

Switching Frequency: 25-65 KHz.

Circuit Topology: Fixed Flyback Circuit.

Transient Response: Output voltage returns in less than 1mS following a 25% load change.

Safety Standard: Meet UL60950-1/EN60950-1 Class I or II.
Harmonic Current Emission, EN61000-3-2 compliance.

Power Density: 18.41 Watts/Cubic inch.

Operating Temperature: 0 to +25/35/40°C
without derating. (various with output voltage)

Storage Temperature: -20 to +85°C.

Temperature Coefficient: 0.04%/°C typical.

Cooling: Free air convection.

Construction: Impact resistant plastic enclosure case.
Desktop Format.

NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.
(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load is varied from half load to full load ($\pm\%$).
(3) The typical cord length is about 1 meter (3.3 ft.), AWG#18 cord for various load conditions.
(4) Due to requests in market and advances in technology, specifications subject to change without notice



For the details of safety approval, please consult the factory.

OUTPUT VOLTAGE/CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HEPG98-120070-7L	DT7L	12Vdc	7.00A
HEPG98-120070-8	DT8	12Vdc	7.00A
HEPG98-150062-7L	DT7L	15Vdc	6.20A
HEPG98-150062-8	DT8	15Vdc	6.20A
HEPG98-190051-7L	DT7L	19Vdc	5.10A
HEPG98-190051-8	DT8	19Vdc	5.10A
HEPG98-240041-7L	DT7L	24Vdc	4.10A
HEPG98-240041-8	DT8	24Vdc	4.10A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 400.0g (14.18 Oz.)

