HiTRON

UNIVERSAL INPUT HARMONIC CORRECTION (PFC) AC-DC MEDICAL & ITE APPLICATION EXTERNAL DESKTOP SWITCHING ADAPTER 200-250 WATTS GREEN POWER SINGLE OUTPUT HEMP250G SERIES

FEATURES:

- **ACCOMMODATE UNIVERSAL AC INPUT**
- **NO LOAD POWER CONSUMPTION <0.5W**
- **MEET MEDICAL STANDARDS IEC60601-1 & ITE STANDARDS IEC60950-1**
- **EMI MEET EN55011 & EN55022 / FCC CLASS B**
- **MEET UNIVERSAL SAFETY STANDARDS**
- **CE MARKING COMPLIANCE**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typical 90-264Vac with PFC.
Input Connector: 3 pole AC inlet IEC320-C14(DT7)
Input Frequency: 47-63Hz.
Inrush Current:12.5Arms at 230Vac
Input Current: Typical 2.4A at 115Vac
Typical 1.3A at 230Vac
Dielectric Withstand: Meet IEC60601-1 & IEC60950-1.
EMI: Meet EN55011 & EN55022 FCC Class B.
Hold-up Time: Typical 20mS at 115Vac and 230Vac.
Power Factor & Harmonic Correction:
Meet IEC 61000-3-2, PF typical 0.96-0.99 at full load.
Over Temp. Protection: Installed by NTC.
Earth Leakage Current: Less than 0.3mA.
No Load Power: Less than 0.5W at 230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 200-250 Watts.
Output Connector: Optional.
Line Regulation: Typical ± 1%.
Load Regulation: Typical ± 3 %.
Noise & Ripple: Typical 1% peak to peak.
OVP: Built-in. (Latch)
Adjustability: Not available.
Over Temp. Protection (OTP): Installed.
Overload Protection (OLP):
Fully protected against output overload and short circuit.
OLP set at about 110-130% rating output wattage.
Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typical 89% (various with output voltage).
Switching Frequency: 85-100KHz
Circuit Topology: Half-Bridge ZVS Circuit.
Transient Response: Output voltage returns in less than 1mS following a 25% load change.
Safety Standard: Meet Medical IEC60601-1 & ITE IEC60950-1 Class I.

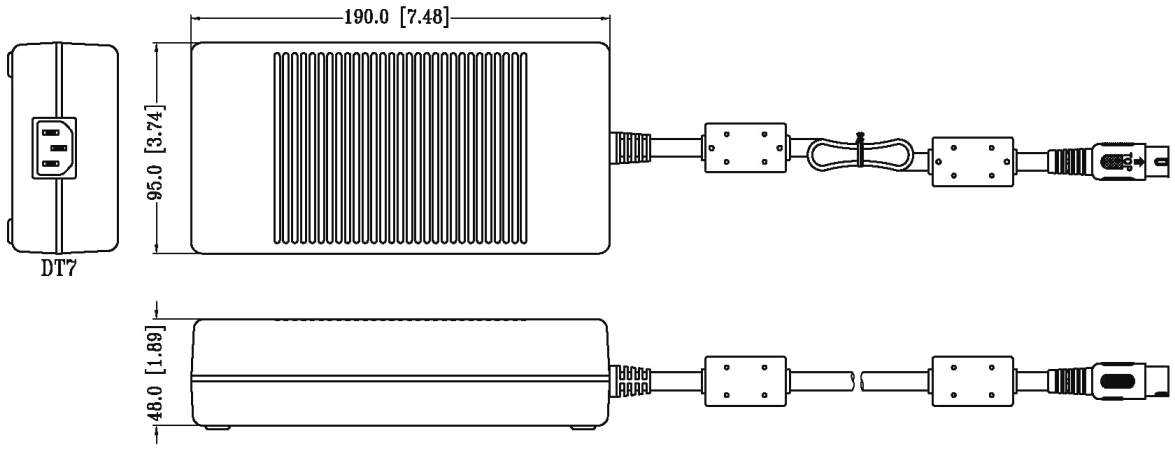
Operating Temperature: 0 to +40°C.
Storage Temperature: -20 to +85°C.
Cooling: Free air convection.
Construction: Impact resistant plastic enclosure case.
Power Density: 3.78Watt/Cubic Inch.
Desktop Format.

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 indicate the change in output voltage as the load varied from half load to full load(±%)
(3) The exact obtainable load regulation depends upon the output cord selected and load current.
(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 INLET	O/P VOLTAGE	O/P CURRENT
HEMP250G-S120166-7	**IEC320-C14(DT7)**	**12Vdc**	16.6A
HEMP250G-S240104-7	**IEC320-C14(DT7)**	**24Vdc**	10.4A
HEMP250G-S480052-7	**IEC320-C14(DT7)**	**48Vdc**	5.2A

MECHANICAL DIMENSIONS: MM [INCHES] **WEIGHT:** 1216.5g (42.91Oz)