Hitron

Universal input harmonic correction (PFC) AC-DC medical & ITE application external desktop switching adapter 150 Watts green power single output HEMP156G series



Features

- Energy Efficiency Level VI
- Medical and ITE application
- Wide operating temperature range
- Up to 94% high efficiency
- Class I construction
- CE marking compliance

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Specification

Input		Protection	
Input Voltage	90-264VAC	Over Load	Typical set at about 130% of
Input Frequency	47-63Hz		rating output wattage
Input Current	Typical 1.6A at 115VAC	Over Temperature	NTC
	Typical 0.8A at 230VAC	General	
Inrush Current	27-30Arms at 230VAC 50Hz	Efficiency	Typical 91-94% (depending on model)
Power Factor	Typical 0.95 at full load	Switching Frequency	85KHz
Input Connector	3 pole IEC320-C14(DT7)	Dielectric Withstand	IEC60601-1 and IEC60950-1
	3 pole IEC320-C6(DT7L)	Transient Response	Output voltage returns in less than
Earth Leakage Current	Less than 0.2mA		1mS for a 25% load change
Enclosure Leakage Circuit	Less than 0.02mA	Power Density	4.37W / Cubic inch
No Load Power	Less than 0.21W	Construction	Desktop format
Output		Environmental	
Output Connector/Plug	Optional	Operating Temperature	-25°C to +60°C (Refer to derating chart)
Line Regulation	Typical 0.1%	Storage Temperature	-40°C to +85°C
Load Regulation	Typical ±2-3%	Cooling	Convection-cooled
Total Regulation	Typical ±3-4%	Operating Altitude	5000m
Noise & Ripple	Typical 1% peak to peak	Operating Humidity	10-95% RH, non-condensing
Adjustability	Not available	Storage Humidity	5-95% RH
Hold-up Time	Typical 20mS at 115/230VAC	Safety/EMC	
Protection		Emissions	EN55011 and EN55022 FCC Class B
Over Voltage	Built-in (Latch)	Harmonic Current	IEC61000-3-2
Over Current	Installed	Safety Standard	IEC60601-1 & IEC60950-1 Class I

Notes

- (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 varied from half load to full load (±%).
- (3) The exact obtainable load regulation depends upon the output cord selected and load current.
- $(4) \ Due \ to \ requests \ in \ market \ and \ advances \ in \ technology, \ specifications \ subject \ to \ change \ without \ notice$

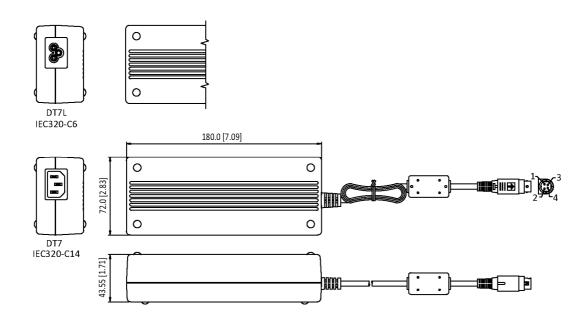
Output voltage & current rating chart

Single Output

Model No.	AC Inlet	Output Voltage	Output Current
HEMP156G-S120125-7	IEC320-C14 (DT7)	12V	12.50A
HEMP156G-S120125-7L	IEC320-C6 (DT7L)	12V	12.50A
HEMP156G-S240625-7	IEC320-C14 (DT7)	24V	6.25A
HEMP156G-S240625-7L	IEC320-C6 (DT7L)	24V	6.25A
HEMP156G-S540280-7	IEC320-C14 (DT7)	54V	2.80A
HEMP156G-S540280-7L	IEC320-C6 (DT7L)	54V	2.80A

Notes: Other output voltages are available. Please contact sales for details.

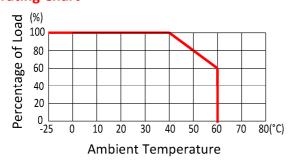
Mechanical Dimensions (Note: All dimensions are in mm[inch])



Notes: (1) The length of output cable should be 1000±50mm.

(2) The drawing for connector is for reference purpose. Optional output connectors are available, please contact sales for details.

Derating Chart



Pin assignment

Pin NO.	Pin out
PIN #1	+V1
PIN #2	+V1
PIN #3	DC COM
PIN #4	DC COM