

HiTRON

Universal input AC-DC Medical and ITE application external desktop switching adapter 50 Watts green power single output HEMG56 series



Features

- Energy Efficiency Level VI
- Accommodate universal AC input
- Medical & ITE Application
- Wide operating temperature range and high efficiency
- Class I and Class II construction
- CE marking compliance



Specification

Input

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Input Current	Typical 0.72A at 115VAC Typical 0.43A at 230VAC
Inrush Current	13.4Arms (72Apk) at 230VAC
Input Connector	3 pole IEC320-C14 (DT7) 2 pole IEC320-C8 (DT8)
Earth Leakage Current	Less than 0.18 mA
No Load Power	Less than 0.16W

Output

Output Connector/Plug	Optional
Line Regulation	Typical 0.1%
Load Regulation	Typical $\pm 3\%$
Total Regulation	Typical $\pm 2\%$
Noise & Ripple	Typical 1% peak to peak
Adjustability	Factory set
Hold-up Time	Typical 20mS at 115VAC Typical 81mS at 230VAC

Protection

Over Voltage	Built-in
Over Current	Built-in

Protection

Over Load	Typical set at about 120% of rating output wattage
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General

Efficiency	Typical 80-92% (depending on model)
Switching Frequency	65KHz
Dielectric Withstand	IEC60601-1 and IEC60950-1
Circuit Topology	Fixed Frequency Flyback
Transient Response	Output voltage returns in less than 1mS following a 25% load change
Power Density	2.8-4W / Cubic inch

Environmental

Operating Temperature	-25°C to +40°C
Storage Temperature	-40°C to +85°C
Cooling	Convection-cooled
Operating Humidity	10-95% RH, non-condensing
Storage Humidity	5-95% RH

Safety/EMC

Emissions	EN55011 & EN55032 FCC Class B
Safety Standard	IEC60601-1 Class I and Class II IEC60950-1 Class I and Class II

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 ($\pm\%$).
- (3) The exact obtainable load regulation depends upon the output cord selected and load current.
- (4) HEMG56 can meet Energy Efficiency Level VI and CEC except 5V output.
- (5) Due to requests in market and advances in technology, specifications subject to change without notice

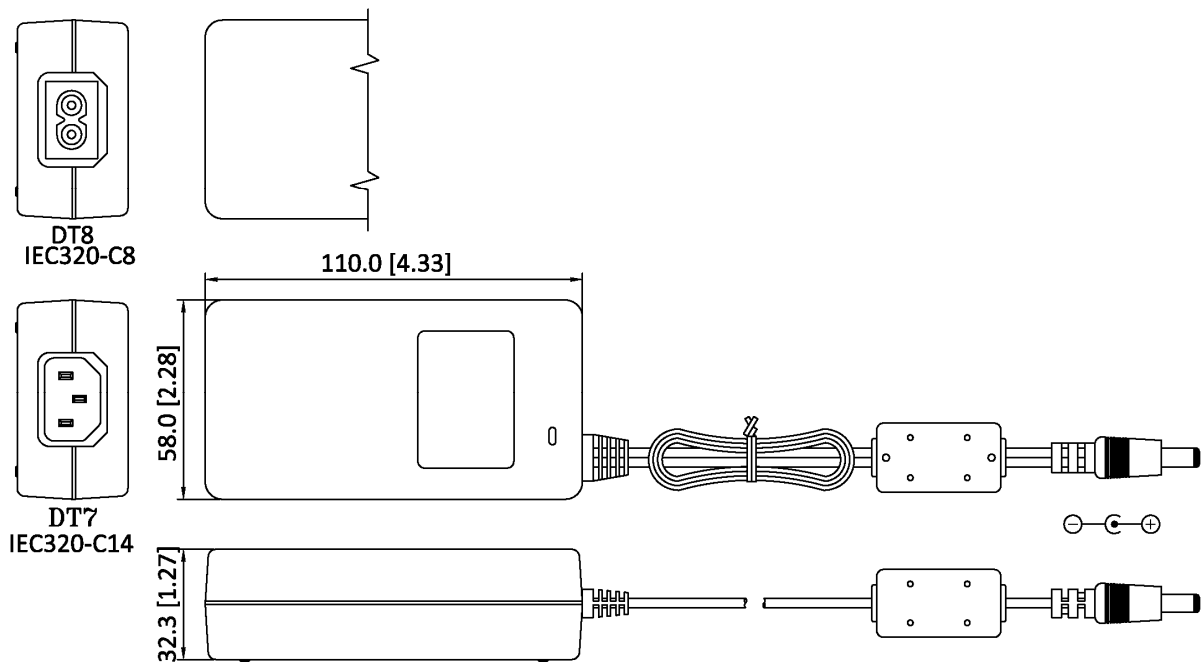
Output voltage & current rating chart

Single Output

Model No.	AC Inlet	Output Voltage	Output Current
HEMG56-S050700-7	IEC320-C14 (DT7)	5V	7.00A
HEMG56-S050700-8	IEC320-C8 (DT8)	5V	7.00A
HEMG56-S120420-7	IEC320-C14 (DT7)	12V	4.20A
HEMG56-S120420-8	IEC320-C8 (DT8)	12V	4.20A
HEMG56-S150333-7	IEC320-C14 (DT7)	15V	3.33A
HEMG56-S150333-8	IEC320-C8 (DT8)	15V	3.33A
HEMG56-S240215-7	IEC320-C14 (DT7)	24V	2.15A
HEMG56-S240215-8	IEC320-C8 (DT8)	24V	2.15A
HEMG56-S480110-7	IEC320-C14 (DT7)	48V	1.10A
HEMG56-S480110-8	IEC320-C8 (DT8)	48V	1.10A

Notes: (1) Other output voltages are available. Please contact sales for details.
 (2) HEMG56 can meet Energy Efficiency Level VI and CEC except 5V output.

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



Notes: (1) The length of output cable should be 1000±50mm for 12V and 2000±50mm for 24-48V.
 (2) The drawing for connector is for reference purpose. Optional output connectors are available, please contact sales for details.