

HiTRON

Universal input AC-DC Medical and ITE application external desktop switching adapter 66-72 Watts green power single output HEMG76 series



Features

- Energy Efficiency Level VI
- Medical and 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 1.2A at 115VAC Typical 0.75A at 230VAC
Inrush Current	Typical 13.1Arms at 230VAC
Input Connector	3 pole IEC320-C14(DT7) 3 pole IEC320-C6(DT7L) 2 pole IEC320-C8(DT8)

Earth Leakage Current	Less than 0.21 mA or better
Enclosure Leakage	Less than 0.09mA or better
No Load Power	Less than 0.2W

Output

Output Connector/Plug	Optional
Line Regulation	Typical 1%
Load Regulation	Typical $\pm 3\%$
Total Regulation	Typical $\pm 3\%$
Noise & Ripple	Typical 1% peak to peak
Adjustability	Factory set
Hold-up Time	Typical 19mS at 115VAC Typical 96mS at 230VAC

Protection

Over Voltage	Built-in
Over Current	Built-in

Protection

Over Load	Typical set at about 125-130% of rating output wattage
Over Temperature	NTC

General

Efficiency	Typical 88-90% (depending on model)
Switching Frequency	65KHz
Dielectric Withstand	IEC60601-1 and IEC60950-1
Circuit Topology	Flyback circuit
Transient Response	Output voltage returns in less than 1mS following a 25% load change
Power Density	4.3-4.7W / Cubic inch
Construction	Desktop Format

Environmental

Operating Temperature	-25°C to +40°C
Storage Temperature	-40°C to +85°C
Cooling	Convection-cooled
Operating Altitude	5000m
Operating Humidity	10-95% RH, non-condensing
Storage Humidity	5-95% RH

Safety/EMC

Emissions	EN55011 & EN55022 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) Due to requests in market and advances in technology, specifications subject to change without notice

Output voltage & current rating chart

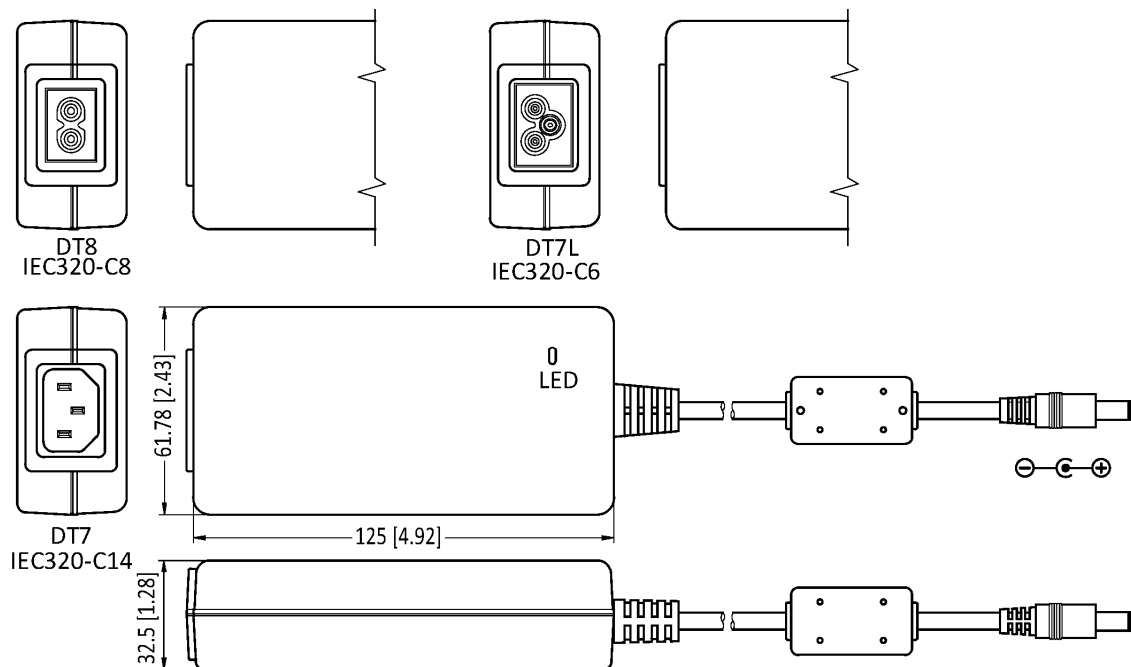
Single Output

Model No.	AC Inlet	Output Voltage	Output Current
HEMG76-S120550-7	IEC320-C14 (DT7)	12V	5.5A
HEMG76-S120550-7L	IEC320-C6 (DT7L)	12V	5.5A
HEMG76-S120550-8	IEC320-C8 (DT8)	12V	5.5A
HEMG76-S240300-7	IEC320-C14 (DT7)	24V	3.0A
HEMG76-S240300-7L	IEC320-C6 (DT7L)	24V	3.0A
HEMG76-S240300-8	IEC320-C8 (DT8)	24V	3.0A
HEMG76-S480150-7	IEC320-C14 (DT7)	48V	1.5A
HEMG76-S480150-7L	IEC320-C6 (DT7L)	48V	1.5A
HEMG76-S480150-8	IEC320-C8 (DT8)	48V	1.5A

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

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

Weight: g



Notes: (1) The length of output cable should be 1040±50mm, 14AWG for 12V and 1980±150mm, 16AWG for 24-48V.

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