HiTRON

Universal input AC-DC Medical and ITE application external desktop switching adapter 20-24 Watts green power single output HEMG26 series



Features

- **Energy Efficiency Level VI**
- **Medical and ITE application**
- **No load power consumption < 0.1W**
- **Class I and Class II construction**
- **CE marking compliance**

Specification

Input

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Input Current	Typical 0.37A at 115VAC
	Typical 0.2A at 230VAC
Inrush Current	8.6Arms at 230VAC
Input Connector	3 pole IEC320-C14(DT7)
	2 pole IEC320-C8(DT8)
Earth Leakage Current	Less than 0.25mA
Enclosure Leakage	Less than 0.1mA
No Load Power	Less than 0.1W

Output

Output Connector/Plug	Optional
Line Regulation	Typical 0.4%
Load Regulation	Typical ±1.5-±3%
Total Regulation	Typical ±2%-±4%
Noise & Ripple	Typical 1.0% peak to peak
Adjustability	Not available
Hold-up Time	Typical 18mS at 115VAC
	Typical 76mS at 230VAC

Protection

Over Voltage	Built-in (Latch)

Protection

Over Current	Installed

General

Efficiency	Typical 86-90% (depending on model)
Switching Frequency	65KHz
Dielectric Withstand	IEC60601-1 and IEC60950-1
Circuit Topology	Fixed Frequency Flyback circuit
Transient Response	Output voltage returns in less than 0.01-0.5mS following a 25% load change
Power Density	1.6-1.9W / Cubic inch

Environmental

Operating Temperature	0°C to +40°C
Storage Temperature	-20°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 (±%).

(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

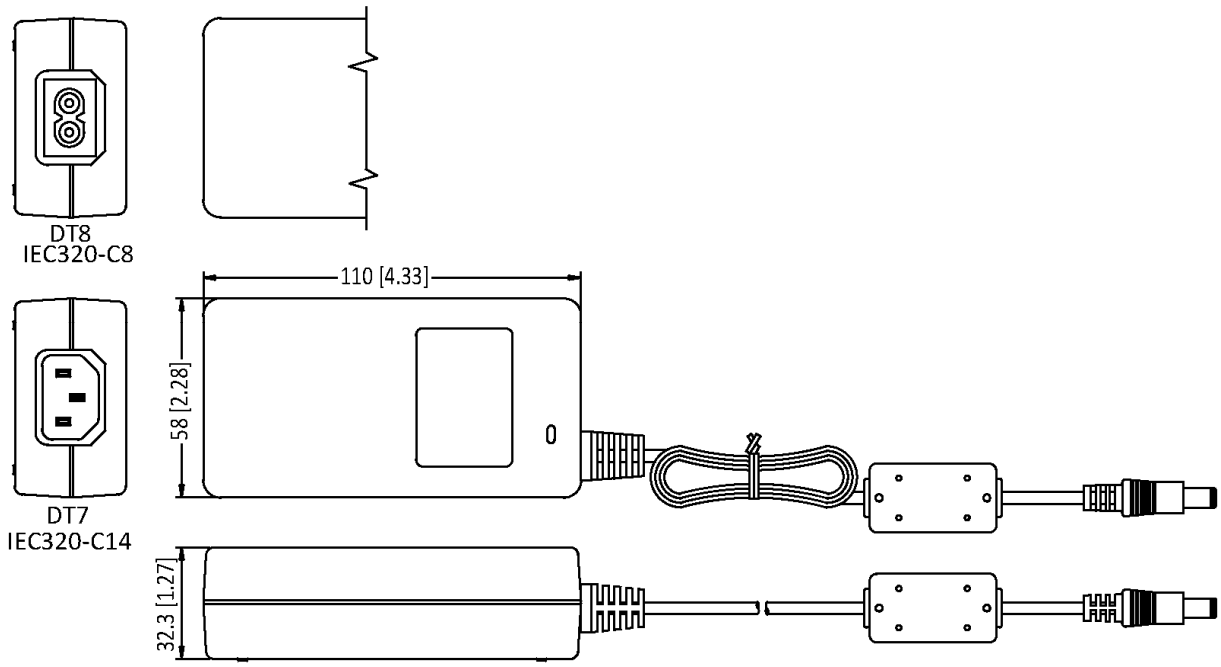
Output voltage & current rating chart

Single Output

Model No.	AC Inlet	Output Voltage	Output Current
HEMG26-S050400-7	IEC320-C14 (DT7)	**5.0V**	4.0A
HEMG26-S050400-8	IEC320-C8 (DT8)	**5.0V**	4.0A
HEMG26-S120200-7	IEC320-C14 (DT7)	**12.0V**	2.0A
HEMG26-S120200-8	IEC320-C8 (DT8)	**12.0V**	2.0A
HEMG26-S240100-7	IEC320-C14 (DT7)	**24.0V**	1.0A
HEMG26-S240100-8	IEC320-C8 (DT8)	**24.0V**	1.0A

Notes: (1) 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 for 5V-12V and 1500±50mm for 15V-24V.

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