

# 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

|                        |   |
|------------------------|---|
| <b>Input Voltage</b>   | 90-264VAC   |
| <b>Input Frequency</b> | 47-63Hz   |
| <b>Input Current</b>   | Typical 0.37A at 115VAC<br>Typical 0.2A at 230VAC |
| <b>Inrush Current</b>  | 8.6Arms at 230VAC                                 |
| <b>Input Connector</b> | 3 pole IEC320-C14(DT7)<br>2 pole IEC320-C8(DT8)   |

|                              |                  |
|------------------------------|------------------|
| <b>Earth Leakage Current</b> | Less than 0.25mA |
| <b>Enclosure Leakage</b>     | Less than 0.1mA  |
| <b>No Load Power</b>         | Less than 0.1W   |

#### Output

|                              |  |
|------------------------------|--|
| <b>Output Connector/Plug</b> | Optional   |
| <b>Line Regulation</b>       | Typical 0.4%                                     |
| <b>Load Regulation</b>       | Typical $\pm 1.5\text{-}\pm 3\%$                 |
| <b>Total Regulation</b>      | Typical $\pm 2\text{-}\pm 4\%$                   |
| <b>Noise &amp; Ripple</b>    | Typical 1.0% peak to peak                        |
| <b>Adjustability</b>         | Not available                                    |
| <b>Hold-up Time</b>          | Typical 18mS at 115VAC<br>Typical 76mS at 230VAC |

#### Protection

|                     |                  |
|---------------------|------------------|
| <b>Over Voltage</b> | Built-in (Latch) |
|---------------------|------------------|

#### Protection

|                     |           |
|---------------------|-----------|
| <b>Over Current</b> | Installed |
|---------------------|-----------|

#### General

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

#### Environmental

|                              |                           |
|------------------------------|---------------------------|
| <b>Operating Temperature</b> | 0°C to +40°C              |
| <b>Storage Temperature</b>   | -20°C to +85°C            |
| <b>Cooling</b>               | Convection-cooled         |
| <b>Operating Altitude</b>    | 5000m                     |
| <b>Operating Humidity</b>    | 10-95% RH, non-condensing |
| <b>Storage Humidity</b>      | 5-95% RH                  |

#### Safety/EMC

|                        |  |
|------------------------|--|
| <b>Emissions</b>       | EN55011 & EN55022 / FCC Class B                                    |
| <b>Safety Standard</b> | IEC60601-1 Class I and Class II<br>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

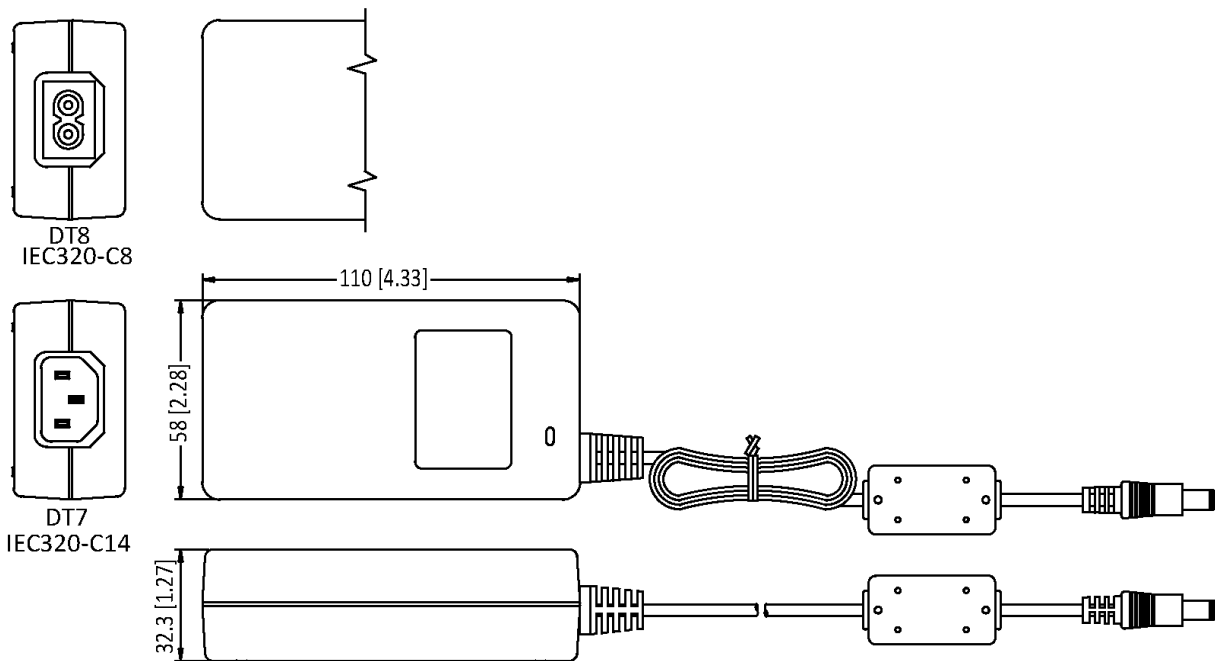
## Output voltage & current rating chart

### Single Output

| Model No.        | AC Inlet          | Output Voltage | Output Current |
|------------------|-------------------|----------------|----------------|
| HEMG26-S050400-7 | IEC320-C1 4 (DT7) | 5.0V           | 4.0A           |
| HEMG26-S050400-8 | IEC320-C8 (DT8)   | 5.0V           | 4.0A           |
| HEMG26-S120200-7 | IEC320-C1 4 (DT7) | 12.0V          | 2.0A           |
| HEMG26-S120200-8 | IEC320-C8 (DT8)   | 12.0V          | 2.0A           |
| HEMG26-S240100-7 | IEC320-C1 4 (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.