

# HiTRON

**Universal input AC-DC Medical and ITE application open frame  
internal switching convection-cooled power supplies  
72 Watts green power single output HICM76G series**



## Features

- 4x 2 inch Compact size
- Energy efficiency Level VI
- Convection cooling
- Up to 90% high efficiency
- -25 °C to +70 °C wide operating temperature
- PCB and Box format optional
- Medical and ITE application
- Class I and Class II applications



## Specification

### Input

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Input Current	Typical 1A at 115VAC Typical 0.5A at 230VAC
Inrush Current	Typical 14.6A rms at 230VAC
Input Connector	V-M connector
Earth Leakage Current	Less than 0.25mA
Enclosure Leakage	Less than 0.1mA
No-load Power	Less than 0.26 Watts

### Output

Output Connector	Molex connector or equivalent
Line Regulation	Typical 0.1%
Load Regulation	Typical ±1%
Total Regulation	Typical ±1.5%
Noise & Ripple	Typical 1.0% peak to peak
Adjustability	Not available
Hold-up Time	Typical 18mS at 115VAC Typical 92mS at 230VAC

### Protection

Over Voltage	Built-in at (Latch)
Over Load	Typical 125-140% of rating load

### General

Efficiency	Typical 90% (depending on model)
Switching Frequency	65KHz
Dielectric Withstand	IEC60601-1 & IEC60950-1
Circuit Topology	Fixed Frequency flyback circuit
Transient Response	Output voltage returns in less than 1mS following a 25% load change
Power Density	7.13W/ Cubic Inch
Construction	PCB and Box format optional

### Environmental

Operating Temperature	-25°C to +70°C derate from 100% (Refer to derating chart)
Storage Temperature	-25°C to +85°C
Cooling	Convection Cooling
Operating Altitude	5000m
Operating Humidity	10-95% RH, non-condensing
Storage Humidity	5-95% RH

### Safety/EMC

Emissions (conducted)	CISPR EN55011/22 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 power supply is considered a component installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
- (4) Due to requests in market and advances in technology, specifications subject to change without notice.
- (5) For the detail of safety approval, please consult the factory.

