

**UNIVERSAL INPUT AC TO DC MEDICAL APPLICATION
EXTERNAL ADAPTER SINGLE OUTPUT 35-40 WATTS
SWITCHING POWER SUPPLIES HES38 SERIES**



FEATURES:

- **UNIVERSAL AC INPUT**
- **DESKTOP IEC320-2P AC RECEPTACLE**
- **MEDICAL STANDARDS EN 60601/UL2601**
- **EMI MEET EN 55022/FCC CLASS B**
- **CE MARKING COMPLIANCE**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ.90-264Vac
Input Connector: IEC320-2P DT8 AC input receptacle.
Input Frequency: 47-63Hz.
Inrush Current: 30.0A @ 230Vac.
Input Current: Typ.0.57A @ 115Vac & 0.28A @ 230Vac.
Dielectric Withstand: Meet IEC601.
EMI: Meet EN 55022/FCC Class B.
Hold-up Time: Typ.15mS @ 115Vac.
79mS @ 230Vac.
Over Temp. Protection: Option (NTC ckt.).
Earth Leakage: Typ. less than 0.20 mA.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Charts.
Output Currents: See Ratings Charts.
Output Wattage: Typ.35-40W.
Output Connector & Cord: Optional.
Line Regulation: Typ. 0.3%
Load Regulation: Typ. ± 1.5 -3.0%
Noise & Ripple: Typ. 1% peak to peak.
OVP: Built-in,by latch circuit.
Adjustability: Factory set.
Over Current Protection (OCP): Installed.
 Current limiting can be set precisely as per request.

GENERAL SPECIFICATION

Efficiency: Typ. 80-83%
Switching Frequency: Typ. 71K Hz.
Circuit Topology: Fixed-frequency flyback circuit.
Transient Response: Output voltage returns in
less than 1mS following
a 25% load change.
Safety Standard: Medical standards IEC601/EN 60601/
UL 2601.Class II.

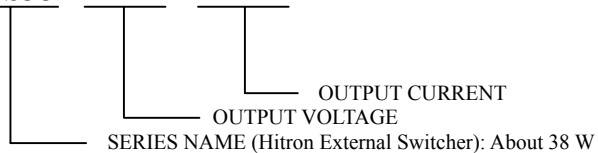
Operating Temperature: 0 to +40°C.
Storage Temperature: -20 to +85 °C.
Temperature Coefficient: 0.04% /°C
Cooling: Free air convection.
Construction: Impact resistant thermo- plastic enclosure case.
Desktop format.
Power Density: 3.45Watts / Cubic Inch

Notes:(1) All measurements are at nominal input ,full load, and +25°C unless otherwise spec

(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. Upper data are for 6 ft.(2 m)cord AWG#18 wires.



MODEL NO. DESCRIPTION: HES38 - X X X Y Y Y**OUTPUT VOLTAGE/CURRENT RATINGS CHART****SINGLE OUTPUT**

MODEL NO.	AC PLUG	O/P VOLTAGE (Vdc)	O/P CURRENT (A)
HES38-050055	DT8	5.0V	5.5A
HES38-075045	DT8	7.5V	4.5A
HES38-120030	DT8	12.0V	3.0A
HES38-150026	DT8	15.0V	2.6A
HES38-240017	DT8	24.0V	1.7A
HES38-300014	DT8	30.0V	1.4A

MECHANICAL DIMENSIONS: MM [INCHES]**WEIGHT: 285.0g(10.0 Oz.)**