

UNIVERSAL INPUT AC TO DC EXTERNAL DESKTOP ADAPTER SINGLE OUTPUT 35-40 WATTS SWITCHING POWER SUPPLIES HES39 SERIES



FEATURES:

- UNIVERSAL AC INPUT
- DESKTOP 24 mm LOW PROFILE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Input Connector: IEC320-2P DT8 type AC inlet receptacle.
Input Frequency: 47-63Hz.
Inrush Current: 35.0A @230Vac or less than
 30A @230Vac by adding thermister.
Input Current: 0.55A @ 115 VAC typical &
 0.33A @ 230Vac typical.
Dielectric Withstand: Meet IEC950.
EMI: Meet EN55022 / FCC Class B.
Hold-up Time: 8mS typ. @115Vac.
 32mS typ. @230Vac.
Over Temperature Protection: By NTC.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 35 ~ 40W typical.
Output Connector & Cord: Optional.
Output LED Indicator: Installed.
Line Regulation: 0.1% typical.
Load Regulation: $\pm 3.0 \sim 5.0\%$ typical.
Noise & Ripple: Typ. 1.0% peak to peak.
OVP: Built-in Zener diode clamping.
Adjustability: Factory set.
Over Current Protection (OCP): Installed.
 Current limiting can be set precisely as per request.

GENERAL SPECIFICATION

Efficiency: 80 -85% typical.
Switching Frequency: Approximate 100K Hz.
Circuit Topology: Fixed Frequency flyback circuit.
Transient Response: Output voltage returns in
 less than 3mS following a 25% load change.
Safety Standard: UL1950/EN60950 Class II.
Power Density: 4.50 Watts / Cubic Inch.

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.

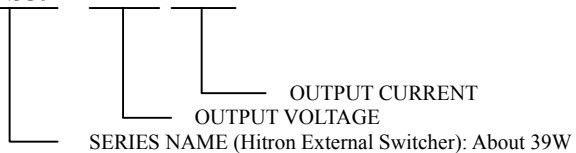
Note: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

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



In application

MODEL NO. DESCRIPTION: HES39 – XXX YYY**OUTPUT VOLTAGE / CURRENT RATINGS CHART**

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
12.0Vdc ≤ Any Voltage ≤ 24.0 Vdc	12.0-24.0V/2.8-2.57A, 14.1-19V/2.56-2.1A, 19.1-24V/2-1.67A

Note: Refer to the upper Chart or specify the V/A ratings and consult factory for the exact Model No.

SINGLE OUTPUT *(Model No. for example)*

MODEL NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (A)
HES39-120280	12.0V	2.80A
HES39-140257	14.0V	2.57A
HES39-190210	19.0V	2.10A
HES39-240167	24.0V	1.67A

MECHANICAL DIMENSIONS: MM [INCHES]**WEIGHT:** 330.0g(11.6 Oz.)