



AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 25-36 WATTS SWITCHING POWER SUPPLIES HES34 SERIES



FEATURES

- UNIVERSAL AC INPUT
- DESKTOP IEC320 AC RECEPTACLE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN 55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Input Connector: IEC320-3P DT7 type
 AC inlet receptacle.
Input Frequency: 47-63Hz.
Inrush Current: 35A max. @264Vac or less than
 30A @230Vac by adding thermister.
Input Current: 0.65A @115Vac typical.
 0.3A @230Vac typical.
Dielectric Withstand: Meet IEC60950.
EMI: Meet EN 55022 / FCC Class B.
Hold-up Time: 17mS @115Vac typical.
 68mS typ. @230Vac typical.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 25-36Watts typical.
Output Connector & Cord: Optional.
Line Regulation: 0.1% typical.
Load Regulation: $\pm 1.5-3.0\%$ typical.
Noise & Ripple: 1.0% typical peak to peak.
OVP: Built-in, by Zener diode clamping.
Adjustability: Factory set.
Overload Protection (OLP):
 Fully protected against output overload and short circuit.
 OLP set at about 125-150% rating output wattage.
 Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: 80-85% typical.
Switching Frequency: Approximate 73K Hz.
Circuit Topology: Fixed Frequency Flyback circuit.
Transient Response: Output voltage returns in less than
 3mS following a 25% load change.
Safety Standard: Meet UL1950/ EN60950, Class I.
Power Density: 2.70 Watts / Cubic inch.

Operating Temperature: 0 to +25/35/40°C
 without derating. (various with output voltage)
Storage Temperature: -20°C 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.

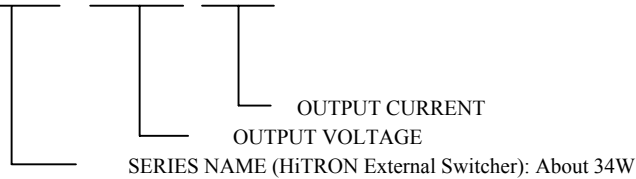
(2) Load regulation is measured at 115Vac or 230Vac in percentage indicate the change in output voltage as the load varied from half load to full load($\pm\%$)

(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.

(4) Due to requests in market and advances in technology, specifications subject to change without notice



For the details of safety approval, please consult the factory.

MODEL NO. DESCRIPTION: HES34 - X X X Y Y Y**OUTPUT VOLTAGE/CURRENT RATINGS CHART**

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE(Vdc)/ CURRENT (A)
3.3Vdc ≤ Any Voltage < 12.0Vdc	3.3-4.0V/4.0A, 5.0-5.9V/5.0-4.77A, 6.0-6.9V/4.75-4.52A, 7.0-7.9V/4.5-4.27A, 8.0-8.9V/4.25-4.02A, 9.0-9.9V/4.0-3.63A, 10.0-10.9V/3.6-3.3A, 11.0-11.9V/3.27-3.02A.
12.0Vdc ≤ Any Voltage ≤ 24.0Vdc	12.0-12.9V/3.0-2.79A, 13.0-13.9V/2.76-2.58A, 14.0-14.9V/2.57-2.41A, 15.0-15.9V/2.4-2.26A, 16.0-18.0V/2.25-2.0A, 18.1-20.0V/0.1.98-1.8A, 20.1-22.5V/1.79-1.60A, 22.6-24.0V/1.59-1.5A.

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.	O/P VOLTAGE	O/P CURRENT
HES34-033400	3.3Vdc	4.0A
HES34-050500	5.0Vdc	5.0A
HES34-090400	9.0Vdc	4.0A
HES34-120300	12.0Vdc	3.0A
HES34-150240	15.0Vdc	2.4A
HES34-180200	18.0Vdc	2.0A
HES34-240150	24.0Vdc	1.5A

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