

HiTRON

AC/DC EXTERNAL REGULATED WALLMOUNT ADAPTER 2-BLADE USA AND EURO-STECKER AC PLUG SINGLE OUTPUT 1.6-3.6 WATTS LINEAR POWER SUPPLIES HER-35 SERIES



FEATURES:

- SMALL & COMPACT IN SIZE
- 2-BLADES USA & EUROPEAN AC PLUG
- MEET USA & CANADA STANDARD
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Nominal 100/110/120Vac
Custom Vac available.

Input Connector: U.S. 2-blade AC plug WM1.
Euro-stecker AC plug WM3.

Input Frequency: 60Hz. for nominal 100/110/120Vac.
50Hz for nominal 220/230/240Vac.

Input Current: 0.1A @120Vac input.

Dielectric Withstand: Meet IEC950.

EMI: Inherent low conducted and radiated noise level,
meet EN 55022 & FCC class B.

Hold-up Time: Less than 1mS at nominal input and
typical load.

Thermal Protection: Thermal fuse installed in the
input transformer.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.

Output Current: See Ratings Chart.

Output Wattage: 1.6-3.6 Watts typical.

Output Connector: Optional.

Load Regulation: $\pm 5.0\%$ typical at end of 6ft.cord
AWG#20 wires.
(The exactly voltage regulation obtainable
depends upon the output cord & connector
selected and load current.)

Noise & Ripple: Less than 20 mV.

Overload Protection: Protected by thermal fuse buried
inside the transformer.

GENERAL SPECIFICATION

Efficiency: 16% for 3.3V unit typical, 20% for 5V unit,
30% for 12V, 15V and 24V unit.

Circuit Topology: Line frequency lamination
steel transformer circuit.

Transient Response: Less than 50 μ S following
a 25% load change.

Safety Standard: Meet UL1950 Class II.

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

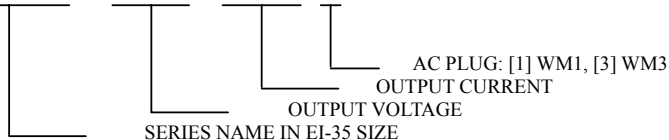
Storage Temperature: -20 to +85°C.

Cooling: Free air convection.

Construction: Impact resistant plastic enclosure case.
Wallmount format in EI-35 case.

NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.
(2) Due to requests in market and advances in technology, specifications subject to change without notice.

MODEL NO. DESCRIPTION: HER-35 — XXX YYY - N



In application.

OUTPUT VOLTAGE / CURRENT RATINGS CHART

U.S.A VERSION Input Voltage 100-120Vac/ Current 0.1A@60Hz

| DEFINED OUTPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vdc) / CURRENT (A) |
|---------------------------------|---|
| 3.3Vdc ≤ Any Voltage ≤ 12.0Vdc | 3.3-4.5V/0.60-0.54A, 5.0-7.0V/0.52-0.40A, 7.50-9.50V/0.40-0.34A, 10.0-12.0V/0.32-0.30A. |
| 12.0Vdc ≤ Any Voltage ≤ 24.0Vdc | 12.0-14.5V/0.30-0.25A, 15.0-17.5V/0.24-0.20A, 18.0-19.5V/0.20-0.18A, 20.0-21.5V/0.18-0.16A 22.0-24.0V/0.16-0.15A. |

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

SINGLE OUTPUT (Model No. for examples)

| MODEL NO. | AC PLUG | I/P VOLTAGE | O/P VOLTAGE | O/P CURRENT |
|-----------------|---------|-------------|-------------|-------------|
| HER-35-033060-1 | WM1 | 120Vac | 3.3Vdc | 0.60A |
| HER-35-050052-1 | WM1 | 120Vac | 5.0Vdc | 0.52A |
| HER-35-060050-1 | WM1 | 120Vac | 6.0Vdc | 0.50A |
| HER-35-090034-1 | WM1 | 120Vac | 9.0Vdc | 0.34A |
| HER-35-120030-1 | WM1 | 120Vac | 12.0Vdc | 0.30A |
| HER-35-150024-1 | WM1 | 120Vac | 15.0Vdc | 0.24A |
| HER-35-240015-1 | WM1 | 120Vac | 24.0Vdc | 0.15A |

EUROPEAN VERSION Input Voltage 220-240Vac/ Current 0.1A@50Hz

| DEFINED OUTPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vdc) / CURRENT (A) |
|---------------------------------|---|
| 3.3Vdc ≤ Any Voltage ≤ 12.0Vdc | 3.3-4.5V/0.60-0.54A, 5.0-7.0V/0.52-0.40A, 7.50-9.50V/0.40-0.34A, 10.0-12.0V/0.32-0.30A. |
| 12.0Vdc ≤ Any Voltage ≤ 24.0Vdc | 12.0-14.5V/0.30-0.25A, 15.0-17.5V/0.24-0.20A, 18.0-19.5V/0.20-0.18A, 20.0-21.5V/0.18-0.16A 22.0-24.0V/0.16-0.15A. |

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

SINGLE OUTPUT (Model No. for examples)

| MODEL NO. | AC PLUG | I/P VOLTAGE | O/P VOLTAGE | O/P CURRENT |
|-----------------|---------|-------------|-------------|-------------|
| HER-35-033050-3 | WM3 | 220Vac | 3.3Vdc | 0.50A |
| HER-35-050048-3 | WM3 | 220Vac | 5.0Vdc | 0.48A |
| HER-35-060042-3 | WM3 | 220Vac | 6.0Vdc | 0.42A |
| HER-35-090034-3 | WM3 | 230Vac | 9.0Vdc | 0.34A |
| HER-35-120030-3 | WM3 | 230Vac | 12.0Vdc | 0.30A |
| HER-35-150024-3 | WM3 | 230Vac | 15.0Vdc | 0.24A |
| HER-35-240015-3 | WM3 | 230Vac | 24.0Vdc | 0.15A |

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: HER-35 200g(7.05 Oz.)

