

# 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 $\mu$ 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)

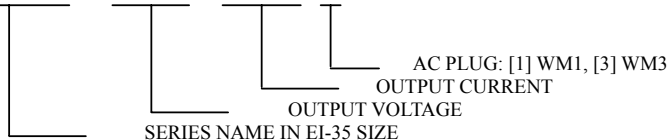
**Storage Temperature:** -20 to +85°C.

**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.)**

