

# HiTRON

## AC/DC EXTERNAL REGULATED WALLMOUNT & DESKTOP ADAPTER DIVERSE AC PLUGS SINGLE OUTPUT 6.0-13.0 WATTS LINEAR POWER SUPPLIES HER-48 SERIES



### FEATURES:

- COST EFFECTIVE ADAPTERS
- WORLDWIDE DIVERSE AC PLUGS
- MEET USA OR EUROPEAN STANDARD
- LOW NOISE MEET EMI REQUIREMENTS
- CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** Nominal 100/110/120Vac, range -10% to +6% or 220/230/240Vac, range -10% to +10%. Custom Vac available.

#### Input Connector:

Wallmount Format: WM1,2(USA/Japan)/ WM3 (Euro-stecker) / WM4 (Schuko-stecker)/ WM5 (UK)/ WM6, 6G(Australia).

Desktop Format: PT1,2,3,4,5,6,

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

**Input Current:** 0.25A max. @100-120Vac/60Hz. 0.15A max. @220-240Vac/50Hz.

**Dielectric Withstand:** Meet IEC 950.

**EMI:** Meet EN 55022 / FCC Class B.

**Thermal Protection:** Thermal fuse installed in the input transformer.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.

**Output Current:** See Ratings Chart.

**Output Wattage:** 8.5-13Watts typical @120Vac/60Hz input. 6.0-9.6 Watts typical @220-240Vac/50Hz input.

**Output Connector:** Optional.

**Load Regulation:** ±5.0% typical at end of 6ft. cord AWG#20 wires.

(The exact voltage regulation obtainable depends upon the output cord & connector selected and load current.)

**Noise & Ripple:** Less than 20mV.

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

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

### GENERAL SPECIFICATION

**Efficiency:** Various with output voltage.

Typical 28.0-40.0% @100~120Vac/60Hz input.

Typical 20.0-30.0% @220~240Vac/50Hz input.

**Circuit Topology:** Line frequency lamination steel transformer circuit.

**Transient Response:** Less than 50µS following a 25% load change.

**Operating Temperature:** 0 to +45°C with no derating.

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

**Cooling:** Free air convection.

**Construction:** Impact resistant plastic enclosure case.

**Safety Standard:** UL1950 & CSA C22.2 NO.950 or EN60950 Class I & II.

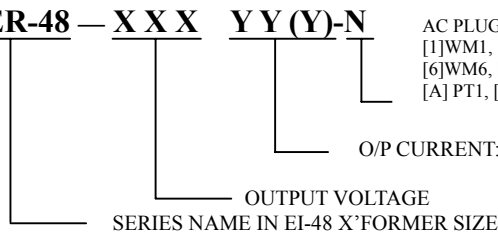
**Wallmount & Desktop Format in EI-48 case.**



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

Due to requests in market and advances in technology, specifications subject to change without notice.

**MODEL NO. DESCRIPTION: HER-48 — X X X Y Y (Y)-N**



AC PLUG TYPE:  
 [1]WM1, [2]WM2, [3]WM3, [4]WM4, [5]WM5,  
 [6]WM6, [6G] WM6G  
 [A] PT1, [B] PT2, [C] PT3, [D] PT4, [E] PT5, [F] PT6

O/P CURRENT: 2 digit for U.S version.  
 3 digit for European version.

**OUTPUT VOLTAGE / CURRENT RATINGS CHART**

**U.S.A. VERSION** Input Voltage: 120Vac/ 0.25A @60Hz.

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
5.0Vdc ≤ Any Voltage ≤ 15.0Vdc	5.0-7.0V/1.7-1.4A, 7.5-9.0V/1.3-1.2A, 9.5-11.0V/1.1A, 11.5-12.0V/1.0A, 12V/1.2A, 12.5-13.0V/0.9A, 13.5-15.0V/0.8A.
15.0Vdc < Any Voltage ≤ 24.0Vdc	15.5-17.0V/0.7A, 17.5-20.0V/0.6A, 20.5-24.0V/ 0.5A.

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

**SINGLE OUPUT** (Model No. for examples)

MODEL NO.	AC PLUG	I/P VOLTAGE (Vac)	O/P VOLTAGE (Vdc)	O/P CURRENT (A)
HER-48-05017-1	WM1	120Vac	5.0V	1.70A
HER-48-06015-2	WM2	120Vac	6.0V	1.50A
HER-48-09012-1	WM1	120Vac	9.0V	1.20A
HER-48-12010-2	WM2	120Vac	12.0V	1.00A
HER-48-15008-1	WM1	120Vac	15.0V	0.80A
HER-48-24005-2	WM2	120Vac	24.0V	0.50A

**EUROPEAN VERSION** Input Voltage: 220-240Vac/0.15A @50Hz.

DEFINED OUTPUT VOLTAGE(Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
5.0Vdc ≤ Any Voltage ≤ 12.0 Vdc	5.0-7.0V/1.2-1.0A, 7.5-9.5V/0.98-0.90A, 10.0-11.0V/0.88-0.84A, 11.5-12.0V/0.82-0.80A,
12.0Vdc < Any Voltage ≤ 24.0 Vdc	12.5-14.0V/0.77-0.69A, 14.5-16.0V/0.66-0.60A, 16.5-18.0V/0.58-0.53A, 18.5-20.0V/0.52-0.48A, 20.5-22.0V/0.47-0.44A, 22.5-24.0V/ 0.43-0.40A.

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

**SINGLE OUPUT** (Model No. for examples)

MODEL NO.	AC PLUG	I/P VOLTAGE (Vac)	O/P VOLTAGE (Vdc)	O/P CURRENT (A)
HER-48-050120-3	WM3	220Vac	5.0V	1.20A
HER-48-060110-4	WM4	220Vac	6.0V	1.10A
HER-48-090092-5	WM5	240Vac	9.0V	0.92A
HER-48-120080-6	WM6	240Vac	12.0V	0.80A
HER-48-150064-3	WM3	220Vac	15.0V	0.64A
HER-48-180053-4	WM4	220Vac	18.0V	0.53A
HER-48-200048-5	WM5	240Vac	20.0V	0.48A
HER-48-240040-6	WM6	240Vac	24.0V	0.40A

**MECHANICAL DIMENSIONS: MM [INCHES]**

**WEIGHT: HER-48 550g (19.4 Oz.)**

