

# HiTRON

## AC TO DC EXTERNAL UN-REGULATED WALLMOUNT & DESKTOP ADAPTOR DIVERSE AC PLUGS SINGLE OUTPUT 12.0-15.6 WATTS LINEAR POWER ADAPTORS HEA-48 SERIES



### FEATURES:

- LOW COST UN-REGULATED ADAPTORS
- WORLDWIDE DIVERSE AC PLUGS
- MEET USA OR EUROPEAN STANDARD
- LOW NOISE LEVEL MEET EMI NORM
- CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** Nominal 100/110/120Vac or 220/230/240Vac. Custom Vac available.  
**Input Range:** Typical  $\pm 8.0\%$ .  
**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 @120Vac/60Hz typical. 0.15A @220-240Vac/50Hz typical.  
**Dielectric Withstand:** Meet IEC 950.

#### OUTPUT SPECIFICATION

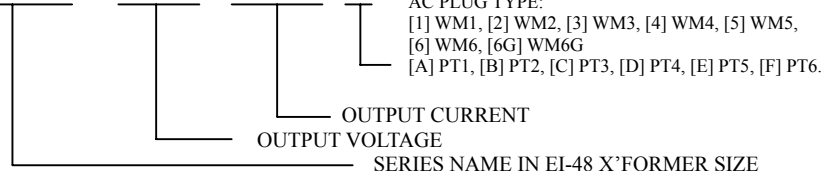
**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** Typ.12.5-15.6VA @ 120Vac/60Hz input. Typ.9.0-12.0VA @ 230Vac/50Hz input.  
**Output Connector:** Optional.  
**Noise & Ripple:** Typ.20% peak to peak.  
**Overload Protection:** None, only by thermal protection.  
**Thermal Protection:** Thermal fuse installed in side the input transformer.  
**EMI:** Inherent low conducted and radiated noise level, meet EN 55022 & FCC Class B.

#### GENERAL SPECIFICATION

**Circuit Topology:** Line frequency lamination steel transformer circuit.  
**Safety Standard:** UL1950 & CSN C22.2 NO.950 or IEC 950 Class I & II.

**Operating Temperature:** 0 ~ +40°C.  
**Storage Temperature:** -20 to +85°C.  
**Cooling:** Free air convection.  
**Construction:** Impact resistant plastic enclosure case.  
**Wallmount & Desktop Format:** In EI-48 case.

#### MODEL NO. DESCRIPTION: HEA-48 — X X X Y Y Y - N



# OUTPUT VOLTAGE/CURRENT RATINGS CHART

## U.S.A. VERSION Input Voltage: 100 ~120Vac/ 0.25A @ 60Hz.

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
5.0 Vdc ≤ Any Voltage ≤ 12.0 Vdc	5.0-6.0V/2.5-2.3A, 6.5-7.5V/2.2-2.0A, 8.0-9.0V/1.9-1.7A, 9.5-10.5V/1.6-1.45A, 11.0-12.0V/1.4-1.3A.
12.0Vdc < Any Voltage ≤ 24.0 Vdc	12.5-14.0V/1.24-1.11A, 14.5-15.5V/1.07-1.0A, 16.0-18.0V/0.97-0.86A, 18.5-21.0/0.84-0.74A, 21.5-23.0V/0.72-0.67A, 23.5-24.0V/0.66-0.65A.

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)
HEA-48-050250-1	WM1	120Vac	5.0V	2.50A
HEA-48-060230-2	WM2	120Vac	6.0V	2.30A
HEA-48-075200-A	A(PT1)	120Vac	7.5V	2.00A
HEA-48-090170-1	WM1	120Vac	9.0V	1.70A
HEA-48-120130-2	WM2	120Vac	12.0V	1.30A
HEA-48-150104-A	A(PT1)	120Vac	15.0V	1.04A
HEA-48-180086-1	WM1	120Vac	18.0V	0.86A
HEA-48-220070-2	WM2	120Vac	22.0V	0.70A
HEA-48-240065-A	A(PT1)	120Vac	24.0V	0.65A

## EUROPEAN VERSION Input Voltage: 220 ~240Vac/0.15A @50Hz.

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
5.0 Vdc ≤ Any Voltage ≤ 12.0 Vdc	5.0-6.0V/1.8-1.65A, 6.5-7.5V/1.6-1.4A, 8.0-9.0V/1.35-1.2A, 9.5-10.5V/1.1-1.06A, 11.0-12.0V/1.04-1.0A.
12.0Vdc < Any Voltage ≤ 24.0 Vdc	12.5-15.0V/0.96-0.80A, 15.5-18.0V/0.77-0.66A, 18.5-20.0V/0.64-0.60A, 20.5-22.5V/0.58-0.53A, 23.0-24.0V/0.52-0.50A, 48.0V/0.25A.

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)
HEA-48-050180-3	WM3	220Vac	5.0V	1.80A
HEA-48-060165-4	WM4	220Vac	6.0V	1.65A
HEA-48-075140-5	WM5	240Vac	7.5V	1.40A
HEA-48-120100-6	WM6	240Vac	12.0V	1.00A
HEA-48-150080-3	WM3	220Vac	15.0V	0.80A
HEA-48-180066-4	WM4	220Vac	18.0V	0.66A
HEA-48-240050-5	WM5	240Vac	24.0V	0.50A
HEA-48-480025-6	WM6	240Vac	48.0V	0.25A

## MECHANICAL DIMENSIONS: MM [INCHES]

## WEIGHT: HEA-48 530g(18.7Oz.)

