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 ±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

- HEA-48 — SERIES NAME IN EI-48 X'FORMER SIZE
- X X X — OUTPUT VOLTAGE
- Y Y Y — OUTPUT CURRENT
- 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.

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)*

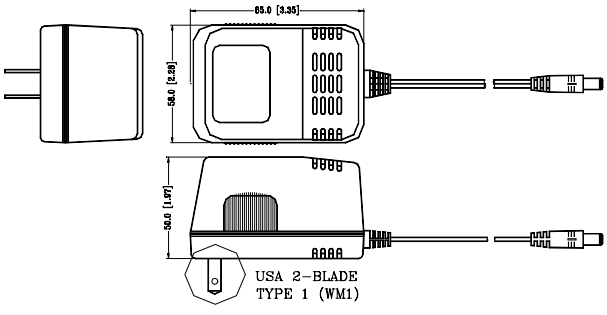
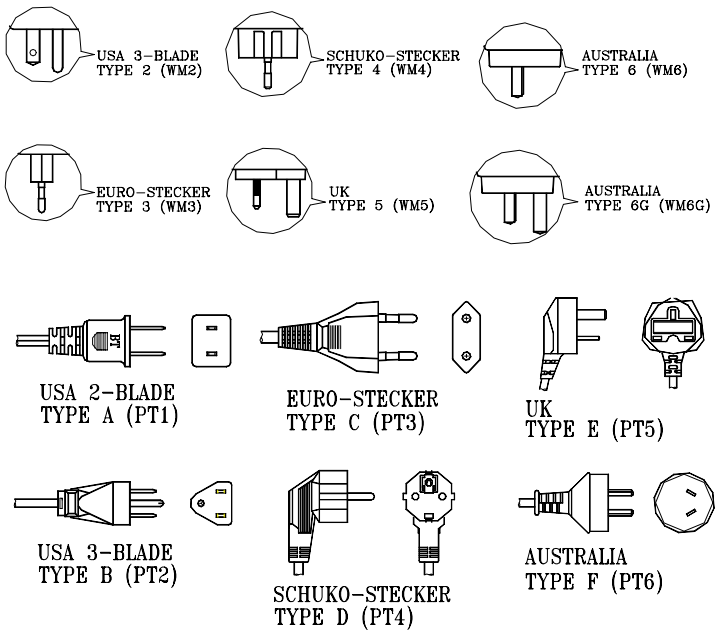
MODEL NO.	AC PLUG	I/P VOLTAGE (Vac)	O/P VOLTAGE (Vdc)	O/P CURRENT (A)
HEA-48-050250-1	WM1	**120Vac**	**5.0V**	2.50A
HEA-48-060230-2	WM2	**120Vac**	**6.0V**	2.30A
HEA-48-075200-A	A(PT1)	**120Vac**	**7.5V**	2.00A
HEA-48-090170-1	WM1	**120Vac**	**9.0V**	1.70A
HEA-48-120130-2	WM2	**120Vac**	**12.0V**	1.30A
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.)