

**HIGH POWER**

**HIGH POWER® HPA-601250U3 C0-A42 2.5/5.5mm**

60W Energy-efficient Fanless AC to 12V  
DC Power Adapter with Standard Barrel Round Plug

- Input: 100-240 VAC +/- 10% full range
- Input AC Inlet: IEC 320 3pin (Type C14) compatible with standard 3-prong computer power cord.
- Output Voltage: 12V DC
- Ratings: 5A (60W)
- Idle no load power consumption is less than 0.5 Watt
- High efficiency switching technology with 83% efficiency.
- Meets CEC Efficiency Level IV
- DC Cable length - 47.5" (120cm)
- DC Jack Type: Barrel Round Plug 5.5mm/2.5mm
- High efficiency switching technology with 83% efficiency at full load
- Fanless AC adapter operates in total silence. Ideal power source for devices such as DVR, LCD monitor, etc.
- Worldwide EMI & SAFETY APPROVAL: UL/cUL , TUV/GS, CE,FCC, CCC, BSMI, DOIR +C-TICK, GOST-R, PSE, PSB, EK



Lead-FREE

Cadium-FREE

Mercury-FREE

Hexavalent chromium-FREE

PBB-FREE

PBDE flame retardants-FREE

**RoHS Compliant - made with hazardous-free components**

RoHS is the Restriction Of the use of certain Hazardous Substances in electrical and electronic equipment. This has been a standard in Europe and is now becoming a standard in the world. Not only lead, but cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB), and polybrominated diphenyl ether (PBDE) flame retardants are limited as well.

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**Built-in power status indicator**

- **Green** LED turns steady on when there is a reliable 12V DC output.
- LED flashes when there is a problem found by the internal detection circuitry.
- LED turns off when there is no power output or no power input.

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**Applications:**

- Security device such as LCD monitor, CCD camera, security system, and control.
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## Technical Specifications:

- Universal input 100-240 VAC
  - High efficiency switching technology -- 83% typical @ full load
  - Single 12V output @ 5A +- 5%
  - Load Regulation: +- 5% (11.4V - 12.6V)
  - DC Cable length - 47.5" (120cm) with UL rated 1185 AWG#18 cable
  - Over Current protection
  - Over Voltage protection
  - Short circuit protection
  - Open-Circuit Protection
  - 100% HI-POT tested
  - 100% cycling BURN-IN
  - Dimensions: 120 mm (L) \* 60 mm (W) \* 35mm (H)
  - Storage Environment:
    - Temperature: -20 - 85 degree C
    - Humidity: 5 - 90 %
    - Altitude: From sea level to 40,000Ft
  - Operating Environment:
    - Temperature: 0 - 40 degree C
    - Humidity: 10 - 90 %
    - Altitude: From sea level to 10,000Ft
  - MTBF : > 30,000 hours at 80% load and 40 degree C ambient conditions
  - Input Fuse Rating: T3.15A/250V
  - Inrush Current at cold start, maximum load:
    - 30A at 110 VAC
    - 60A at 220 VAC
  - Line Regulation: This line regulation is less than  $\pm 1\%$ , @ full load .
  - Turn-ON Time: The output voltage should rise to 90% of +12V in less than 3 seconds from AC apply to 110VAC
  - No load power consumption is less than 0.5 Watt @ 230VAC/ 50Hz
  - DC Output Ripple/Noise: 2% max
  - Hi-Pot Tested: 4242 VDC at 5mA for 3 second between primary and secondary circuit
  - Insulation Tested: 500VDC for 3 seconds between primary and secondary circuit
  - Worldwide EMI & SAFETY APPROVAL: UL/cUL , TUV/GS, CE, FCC, CCC, BSMI, DOIR +C-TICK, GOST-R, PSE, PSB, EK
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