



Desktop

GPS-450AA-100 Series

150 (W) x 86 (H) x 140 (L) mm



FEATURES

- Application: Desktop PC
- 120mm fan
- Comply with Intel ATX12V 2.0
- Remote On/Off
- Low acoustics noise
- High reliability
- Fan speed control
- Short circuit protection
- Over voltage protection
- Over current protection
- Active PFC to meet EN61000-3-2

ENVIRONMENTAL

- Operating ambient temperature: 10~50 °C
- Operating relative humidity: 5~85%
- Storage ambient temperature: -40~70°C
- Storage relative humidity: 5~95%
- Altitude: 10,000~50,000 feet
- MTBF: > 100K hours @ max. load & 25°C ambient conditions.

ELECTRICAL SPECIFICATIONS

INPUT

- Input Range 90~135Vac/ 180~265Vac
- Frequency 47~63Hz
- Input Current <9A @ 115Vac, <4.5A @ 230Vac
- Efficiency >70% @ 230Vac
- EMI/RFI CISPR 22 Class B, FCC

OUTPUT

- Maximum Power 450 Watts
- Holdup Time >17mS @ 115Vac
- Rise Time <20mS
- Leakage Current <0.75mA @ 240Vac
- Overvoltage Protection: +3.3V, +5V, +12V1 & +12V2
- Overcurrent Protection: <240VA
- Short-Circuit Protection: Latch off
- Power Good Signal: TTL compatible on delay 100mS to 500mS, off delay 1mS.



Output	Voltage	Regulation	Minimum Load	Maximum Load	Peak Load	Ripple & Noise Vp-p
V1	+3.3V	±5%	0.5A	30.0A	-	50mV
V2	+5V	±5%	0.5A	28.0A	-	50mV
V3	+12V1	±5%	1.0A	14.0A	16.0A	120mV
V4	+12V2	±5%	1.0A	15.0A	-	200mV
V5	-12V	±10%	0.0A	0.5A	-	120mV
V6	+5Vsb	±5%	0.0A	2.0A	2.5A	50mV

1. Total continue power output: 450W
2. The combined power on +3.3V & +5V: 145W max
3. The combined power on +3.3V, +5V & +12V1 & 12V2: 440W max

All specifications are subject to change without prior notice.

DELTA ELECTRONICS, INC.
 3, TUNG YUAN ROAD, CHUNGLI INDUSTRIAL ZONE
 TAOYUAN SHIEH, TAIWAN, R.O.C.
 TEL: 886-3-4526107
 FAX: 886-3-4527314
 mail: powersales@delta.com.tw

DELTA PRODUCTS CORPORATION
 4405 CUSHING PARKWAY
 FREMONT, CA 94538, U.S.A.
 TEL: 1-510-668-5100
 FAX: 1-510-668-0680

DELTA ELECTRONICS(JAPAN) INC.
 DELTA SHIBADAIMON BLDG.
 2-1-14 SHIBADAIMON, MINATO-KU,
 TOKYO, 105-0012, JAPAN
 TEL: 81-3-5733-1111
 FAX: 81-3-5733-1211

DELTA ELECTRONICS, EUROPE LTD.
 2 YOUNG PLACE
 KELVIN INDUSTRIAL ESTATE
 EAST KILBROIDE, GLASGOW G75 0TD,
 U.K.
 TEL: 44-1355-588888
 FAX: 44-1355-588889