



■ Features :

- 3 pole AC inlet IEC320-C14
- · Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- High power density 5w/in³
- Fully enclosed plastic case
- Approvals: UL / CUL / TUV / CCC / CB/ CE
- No load power consumption<0.5W
- Pass energy star level IV(CEC) for 12~48V(execpt for 15V)
- Meet EISA 2007(Energy Independence and Security Act)
- ZCS/ZVS technology to reduce power dissipation
- 2 years warranty





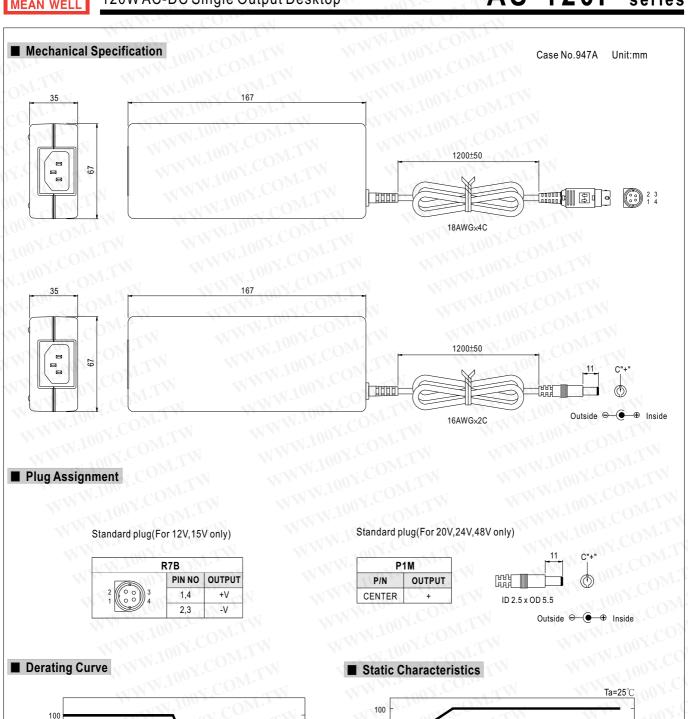


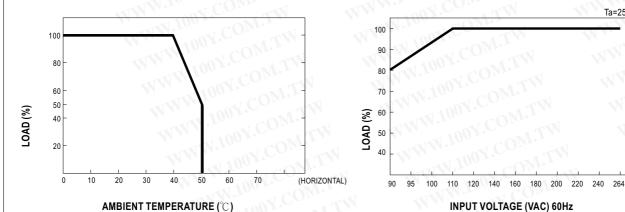


SPECIFICATION MODEL AS-120P-12 AS-120P-15 AS-120P-20 AS-120P-24 AS-120P-48 ORDER NO. AS120P12R7B AS120P15R7B AS120P20P1M AS120P24P1M AS120P48P1M 48V DC VOLTAGE 12V 20V Note.2 15V 24V RATED CURRENT 8.4A 6.7A 6A 5A 2.5A 0 ~ 5A **CURRENT RANGE** 0~8.4A $0 \sim 6.7A$ $0 \sim 6A$ $0 \sim 2.5A$ 100W 120W **RATED POWER** 100W 120W 120W RIPPLE & NOISE (max.) Note.3 100mVp-p 100mVp-p 200mVp-p 200mVp-p 240mVp-p OUTPUT **VOLTAGE TOLERANCE Note.4** ±4.0% ±4.0% ±3.0% ±2.0% ±2.0% LINE REGULATION Note.5 ±1.0% +1 0% ±1.0% +1 0% +1 0% LOAD REGULATION Note.6 ±3.5% +3.0% ±2.5% ±2.0% ±2.0% SETUP, RISE TIME 3000ms, 80ms at full load HOLD UP TIME (Typ.) 50ms/230VAC 16ms/115VAC at full load 127 ~ 370VDC **VOLTAGE RANGE** 90 ~ 264VAC **FREQUENCY RANGE** 47 ~ 63Hz PF≥0.95/230VAC POWER FACTOR (Typ.) PF≥0.98/115VAC at full load INPUT **EFFICIENCY (Typ.)** 85.5% 87.5% 90% 89% AC CURRENT (Typ.) 1.4A/115VAC 0.7A/230VAC **INRUSH CURRENT (Typ.)** 120A/230VAC **LEAKAGE CURRENT (max.)** <1mA / 240VAC 105 ~ 135% rated output power **OVERLOAD** Protection type: Hiccup mode, recovers automatically after fault condition is removed 14 ~ 16 8V 17 ~ 21V 22 5 ~ 28V 27 ~ 33 6V 53 3 ~ 67 2V PROTECTION OVER VOLTAGE Protection type: Shut down o/p voltage, re-power on to recover 90°C ±15°C (RTH2) detect on heatsink of power transistor **OVER TEMPERATURE** Protection type: Shut down o/p voltage, re-power on to recover 0 ~ + 50°C (Refer to output load derating curve) WORKING TEMP 20% ~ 90% RH non-condensing **WORKING HUMIDITY ENVIRONMENT** STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03% / °C (0 ~ 50°C VIRRATION 10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes **SAFETY STANDARDS** UL60950-1, TUV EN60950-1, CCC GB4943 approved WITHSTAND VOLTAGE I/P-O/P:4.25KVDC **SAFETY &** ISOLATION RESISTANCE I/P-O/P:100M Ohms / 25°C / 70% RH 勝 特 力 材 料 886-3-5753170 **EMC EMI CONDUCTION & RADIATION** Compliance to EN55022(CISPR22) class B, FCC part 15J class B (Note. 7) 胜特力电子(上海) 86-21-54151736 HARMONIC CURRENT Compliance to EN61000-3-2,3 胜特力电子(深圳) 86-755-83298787 **EMS IMMUNITY** Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A LIFE Average life expectancy of 6 years (12 hours / day, 70% load, 115VAC) Http://www. 100y. com. tw 308.9K hrs min. MIL-HDBK-217F (25°C) MTBF **OTHERS** DIMENSION 167*67*35mm (L*W*H) PACKING 0.52Kg; 30pcs/16.6Kg/1.1CUFT **PLUG** Standard type R7B,P1M: 2.5ϕ * 5.5ϕ * 11mm, center positive for stock; Other type available by customer requested CONNECTOR CABLE Standard type 120cm of SPT-1, 18Awg*4c for stock; Other type available by customer requested 1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH. Ambient. NOTE 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1 uf & 47 uf capacitor. 4. Tolerence: includes set up tolerance, line regulation, load regulation. 5. Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 0% to 100% rated load. 7. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets

WWW.100







勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

File Name: AS-120P-SPEC 2008-08-25