



■ Features :

- 2 stage charging characteristic
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Over voltage / Over temperature
- Fanless design, cooling by free air convection
- Fully enclosed plastic case
- No load power consumption<1W
- 2 color LED indicator for charging status
- Approvals : TUV / UL / CUL / CB / FCC / CE
- 2 years warranty

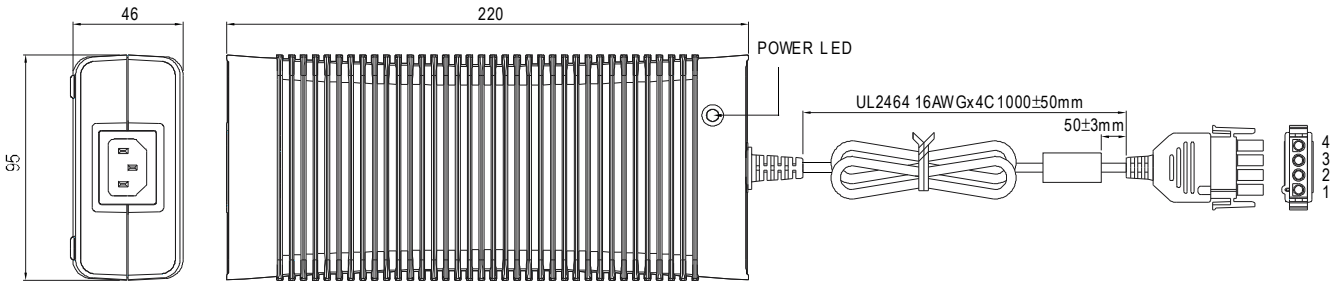


SPECIFICATION

| ORDER NO. | GC330A36-C4P | GC330A48-C4P | |
|------------------------|--|--|----------------|
| OUTPUT | SAFETY MODEL NO. | GC330A36 | GC330A48 |
| | DC VOLTAGE (Typ.) | 40.8V | 54.4V |
| | RECOMMENDED BATTERY CAPACITY <small>Note.2</small> | 20 ~ 65Ah | 20 ~ 65Ah |
| | PEAK CURRENT(Typ.) <small>Note 4</small> | 8A | 6A |
| | CONTINUOUS OUTPUT CURRENT (Typ.) <small>Note 5</small> | 6.4A | 4.8A |
| | OUTPUT POWER RANGE | 261.1 ~ 326.4W | 261.1 ~ 326.4W |
| | LED INDICATOR | Charging(CC) : RED Floating charging(CV) : GREEN | |
| INPUT | VOLTAGE RANGE <small>Note.3</small> | 90 ~ 264VAC 127 ~ 370VDC | |
| | FREQUENCY RANGE | 47 ~ 63Hz | |
| | POWER FACTOR (Typ.) | PF>0.95 / 230VAC PF>0.98 / 115VAC at full load | |
| | EFFICIENCY (Typ.) | 93.5% | 93.5% |
| | AC CURRENT (Typ.) | 4A / 115VAC 2A / 230VAC | |
| | INRUSH CURRENT (max.) | 120A / 230VAC | |
| LEAKAGE CURRENT(max.) | 1.5mA / 240VAC | | |
| PROTECTION | SHORT CIRCUIT | Protection type : Hiccup mode, recovers automatically after fault condition is removed | |
| | OVER VOLTAGE | 105 ~ 135% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover | |
| | OVER TEMPERATURE | 100°C±10°C (RTH2) Protection type : Shut down o/p voltage, re-power on to recover | |
| ENVIRONMENT | WORKING TEMP. | -30 ~ +60°C (Refer to "Derating Curve") | |
| | WORKING HUMIDITY | 20% ~ 90% RH non-condensing | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +85°C, 10 ~ 95% RH | |
| | TEMP. COEFFICIENT | ±0.03% / °C (0~40°C) | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | |
| SAFETY & EMC (Note. 6) | SAFETY STANDARDS | UL60950-1, TUV EN60950-1 approved | |
| | WITHSTAND VOLTAGE | I/P-O/P: 3KVAC | |
| | ISOLATION RESISTANCE | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH | |
| | EMC EMISSION | Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 class B / CISPR22 class B | |
| | EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A | |
| OTHERS | MTBF | 209.4Khrs min. MIL-HDBK-217F(25°C) | |
| | DIMENSION | 220*95*46mm (L*W*H) | |
| | PACKING | 1.25Kg; 12pcs/16Kg/1.27CUFT | |
| CONNECTOR | PLUG | See page 2 | |
| | CABLE | See page 2 | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. This is MeanWell's suggested range, please consult your battery manufacturer for their suggestions about maximum charging current limitation.</p> <p>3. Derating may be needed under low input voltage. Please check the derating curve for more details.</p> <p>4. Test condition is at 25°C the charging current vary with the ambient and components temperature. The lower temperature, the higher charging current.</p> <p>5. Maximum charging current will be in the range of 85~110% rated output current.</p> <p>6. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that whole system complies with the EMC directives.</p> | | |

■ Mechanical Specification

Case No. GS280A Unit:mm



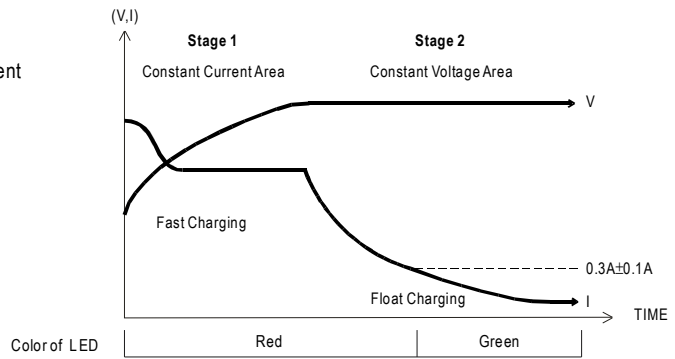
■ Plug Assignment

Standard male plug (power supply side): AMP 1-480702-0 equivalent

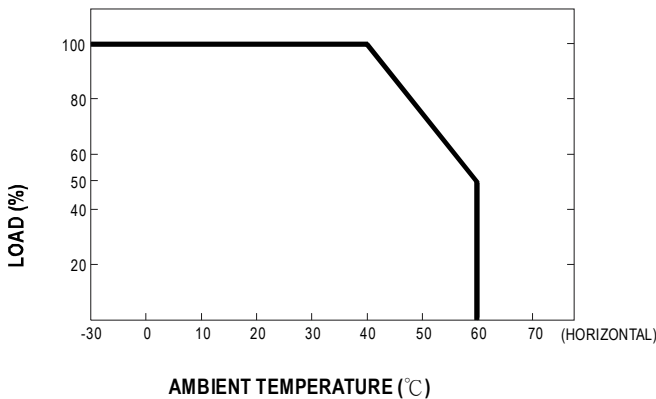
| C4P | | |
|-----|---------|--------|
| | PIN NO. | OUTPUT |
| 4 | 1,2 | +V |
| 3 | 3,4 | -V |
| 2 | | |
| 1 | | |

Female plug (customer side, not provide with the power supply):
AMP 1-480703-0 equivalent

■ Charging Curve



■ Derating Curve



■ Static Characteristics

