

Products Specification

Gudy ELECTRONICS LTD.

Tel:86-755-27810525 Fax:86-755-27810505 Email:info@gudycharger.com Http://www.gudycharger.com

| SPECIFICATION | | PREPARE | CHECK | APPROVE |
|---------------|---------------------|---------|-----------|--------------|
| MODEL: | USED IN: | | | |
| ISSUE DATE : | 6/5/2015 5:05:00 PM | | | |
| COMMON/UNITE | DOC. NO: | | REV.: 1.0 | PAGE: 1 OF 1 |

Products Specification

| 12V 800mA Smart 3-Stages SLA Battery charger | | | | |
|--|---|------|----------------------------------|---------------------------------------|
| | ITEM | UNIT | SPECIFICATION | REMARK |
| INPUT | | | | |
| 01 | Rating Input Voltage | V ac | 100~240Vac 50/60Hz | |
| 02 | Input voltage range | V ac | 90~264Vac | |
| 03 | Rating Input Current | A | 0.2Arms | INPUT:220V OUTPUT:Full load |
| 04 | Max. input power | W | 18 | |
| OUTPUT | | | | |
| 05 | Rating output voltage | V dc | 13.8V | |
| 06 | Output voltage range | V dc | 10VDC ~ 15VDC | |
| 07 | Suit with Battery type | | 12V 4~7Ah VRLA | |
| 08 | Charging current (stage 1) | A | 0.75±0.1@12V | |
| 09 | Charging voltage (stage 2) | V | 14.75V +-0.25V | |
| | Floating voltage (stage 3) | V | 13.75V+-0.25V | |
| 10 | Cut-off current(stage 2→3) | A | <0.20+-0.05A | |
| 11 | Typical charging time | hour | 8 | |
| 12 | Max. output power | W | 14W | |
| 13 | Hold-on time | ms | NC | Input: 220Vac Output: Full load |
| 14 | Ripple current | mA | 80 | Input: 220Vac Output: Full load |
| 15 | Charge finish condition | | V>14V + I<0.25A | |
| 16 | LED color | | Red: charging Green: finish/idle | |
| 17 | Output Shorted protection Output Reversed protection | - | Yes Yes | |
| 18 | Efficiency | % | >75% | At max. load |
| Environment | | | | |
| 19 | Operate temperature | ℃ | -10 ~ +40 | Full load & natural convection. |
| 20 | Operate humidity | %RH | < +90 | Relative humidity, non-condensing. |
| 21 | Storage temperature | ℃ | -40 ~ +70 | |
| 22 | Storage humidity | %RH | 0 ~ +95 | Relative humidity, non-condensing. |
| 23 | Cooling | - | Natural convection | |
| 24 | Temperature factor | % | -- | |
| 25 | Vibration resistance | | 5MM/50HZ/600S | Non-operating condition. |
| 26 | Impact resistance | | 1 meter drop test >= 3 times | Non-operating condition. |
| Mechanical | | | | |
| 27 | Weight | g | 150 | |
| 28 | Size | mm | 81X51X28 | Casing only |
| 29 | Input/Output Cord and terminals | - | Defined by user | |
| Safety | | | | |
| 30 | Max. temperature rise | ℃ | < 40 on casing | At any line and Max. Load |
| 31 | Safety standards | - | GB4943 EN60950 UL1950 | |
| 32 | EMC standard | - | NC | |
| 33 | MTBF | hrs | 30000 | |
| 34 | Limited power source | VA | - | |
| 35 | ESD | kV | 8.0 | |
| 36 | Hi-Pot Insulation | V | i/p to o/p: 3000 (1 min.) | For final unit, cut-off current =10mA |