

Products Specification

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| SPECIFICATION | | PREPARE | CHECK | APPROVE |
|---|---------------------------|---------------|----------------------------------|------------------------------------|
| MODEL: | | | | |
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| COMMON/UNITE | DOC.NO: | | REV: 1.0 | PAGE:1 OF 1 |
| 6V 1A 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 | |
| 04 | Max.input power | W | 12W | |
| OUTPUT | | | | |
| 05 | Rating output voltage | V dc | 7.35V | |
| 06 | Output voltage range | V dc | 10VDC~15VDC | |
| 07 | Suit with Battery type | | 6V 2~10Ah VRLA | |
| 08 | Charging current(stage1) | A | 1.0±0.1A@6V | |
| 09 | Charging voltage(stage2) | V | 7.35V+0.05V | |
| | Floating voltage(stage3) | V | 6.8V+0.10V | |
| 10 | Cut-off current(stage2→3) | A | <0.2+0.05A | |
| 11 | Typical charging time | hour | 8 | |
| 12 | Max.output power | W | 7.5W | |
| 13 | Hold-on time | ms | NC | Input:220Vac Output:Full load |
| 14 | Ripple current | mA | 100 | Input:220Vac Output:Full load |
| 15 | Charge finish condition | | V>7V +I<0.2A | |
| 16 | LED color | | Red:charging Green:finish/idle | |
| 17 | Output protect | - | OCP&OVP&Reverse input protection | |
| 18 | Efficiency | % | 75%(Typical) | At max.load |
| Environment | | | | |
| 19 | Operate temperature | ℃ | 0~+40 | Full load&natural convection |
| 20 | Operate humidity | %RH | 20~90 | Relative humidity,non-condensing. |
| 21 | Storage temperature | ℃ | -40~+70 | |
| 22 | Storage humidity | %RH | 10~95 | 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 | 100g | |
| 28 | Size | mm | 75.0x42.0x28.0 | Casing only |
| 29 | Connectors | - | Defined when order | |
| Safety | | | | |
| 30 | Max.temperature rise | ℃ | <40 on casing | At any line and Max.Load |
| 31 | Safety standards | - | UL1310 CE:EN60335 | |
| 32 | EMC standard | - | FCC part15,CE(EN55014) | |
| 33 | MTBF | hrs | 40000 | |
| 34 | Limited power source | VA | - | |
| 35 | ESD | Kv | 8.0 | |
| 36 | Hi-Pot Insulation | v | Input to Output:3000Vac(1 min.) | For final cut,cut-off current<10mA |