




**14.0V 3.1A Li-ion battery charger**

|              |   |   |  |                |
|--------------|---|---|--|----------------|
| <b>MODLE</b> |   |   |  |                |
| <b>Color</b> | Black   | Black   | Grey   | Grey           |
| <b>Plug</b>  | 2 pin   | Plug connector  | 2 pin  | Plug connector |
|              |  |  |  |                |

**Smart 2-Stages Li-ion Battery charger**

|                    | ITEM                      | UNIT | SPECIFICATION                                     | REMARK                              |
|--------------------|---------------------------|------|---|-------------------------------------|
| <b>INPUT</b>       |                           |      |   |                                     |
| 01                 | Rating Input Voltage      | V ac | 100~240Vac 50-60Hz                                |                                     |
| 02                 | Input voltage range       | V ac | 90~264Vac   |                                     |
| 03                 | Rating Input Current      | A    | 0.3Arms   | 220Vac                              |
| 04                 | Max.input power           | W    | 52.5W   |                                     |
| <b>OUTPUT</b>      |                           |      |   |                                     |
| 05                 | Rating output voltage     | V dc | 12.6V   |                                     |
| 06                 | Output voltage range      | V dc | 0VDC~12.6VDC                                      |                                     |
| 07                 | Suit with Battery type    |      | 11.1V Li-ion battery charger and capacity>3000mAh |                                     |
| 08                 | Charging current(stage1)  | A    | 3.0±0.3   |                                     |
| 09                 | Charging voltage(stage2)  | V    | 12.4-12.65V                                       |                                     |
| 10                 | Cut-off current(stage1→2) | A    | 0.2-0.4A  |                                     |
| 11                 | Typical charging time     | hour | Fast charge 2hours Slow charge 5hours             |                                     |
| 12                 | Max.output power          | W    | 42.0W   |                                     |
| 13                 | Hold-on time              | ms   | NC  | Input:220Vac Output:Full load       |
| 14                 | Ripple current            | mA   | 150   | Input:220Vac Output:Full load       |
| 15                 | Charge finish condition   |      | I<0.40A   |                                     |
| 16                 | LED color                 |      | Green   |                                     |
| 17                 | Output protect            | -    | OCP&OVP   |                                     |
| 18                 | Efficiency                | %    | 80%(Typical)                                      | At max.load                         |
| <b>Environment</b> |                           |      |   |                                     |
| 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.            |
| <b>Mechanical</b>  |                           |      |   |                                     |
| 27                 | Weight                    | g    |   |                                     |
| 28                 | Size                      | mm   |   | Casing only                         |
| 29                 | Connectors                | -    |   |                                     |
| <b>Safety</b>      |                           |      |   |                                     |
| 30                 | Max.temperature rise      | ℃    | <40 on casing                                     | At any line and Max.Load            |
| 31                 | Safety standards          | -    |   |                                     |
| 32                 | EMC standard              | -    |   |                                     |
| 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 nuit,cut-off current=10mA |