

Portable Power Technology Sdn. Bhd.

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|----------------------|-----------------------|---------|-----------|--------------|
| SPECIFICATION | | PREPARE | CHECK | APPROVE |
| MODEL: | USED IN: | | | |
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3P10-L1004 Smart Li-ion Battery Charger

| NO | 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 | 16 | |
| OUTPUT | | | | |
| 05 | Rating output voltage | V dc | 4.2V | |
| 06 | Output voltage range | V dc | 3VDC ~ 4.2VDC | |
| 07 | Suit with Battery type | Ah | 3.6V LI-ION | |
| 08 | Constant Charge current | A | 1.7 A (+0.15A) | |
| 09 | Constant Voltage | V | 4.20V (+0.05V) | |
| 10 | Charge end current | A | <0.2 | |
| 11 | Typical charge time | hour | 4~5 hours- | For 4000mAH |
| 12 | Max. output power | W | 9W | |
| 13 | Hold-on time | ms | 20 | Input: 220Vac Output: Full load |
| 14 | Ripple current | mA | 50 | Input: 220Vac Output: Full load |
| 15 | Charge finish condition | | V>4.2V + I<0.2A | |
| 16 | LED color | | Red: charging Green: finish/idle | |
| 17 | Output short-circuit protect | - | Yes | |
| 18 | Efficiency | % | >70% | At max. load |
| Environment | | | | |
| 19 | Operate temperature | °C | -10 ~ +40 | Full load & natural convection. |
| 20 | Operate humidity | %RH | < +90 | Relative humidity, non-condensing. |
| 20 | Storage temperature | °C | -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 | Connectors | - | Defined when order | |
| Safety | | | | |
| 30 | Max. temperature rise | °C | < 40 on casing | At any line and Max. Load |
| 31 | Safety standards | - | GB4943 UL1950 EN60950 | |
| 32 | EMC standard | - | EN55022 B | |
| 33 | MTBF | hrs | 30000 | |
| 34 | Limited power source | VA | 50 | |
| 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 |