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| SPECIFICATION | | PREPARE | CHECK | APPROVE |
|---------------|----------------------|---------|-----------|--------------|
| MODEL: | USED IN: | | | |
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| COMMON/UNITE | DOC. NO: | | REV.: 1.1 | PAGE: 1 OF 1 |

3P10-N0512 SMART NIMH BATTERY CHARGER

| NO | ITEM | UNIT | SPECIFICATION | REMARK |
|--------------------|--|------|--|---|
| INPUT | | | | |
| 01 | RATING INPUT | V ac | 100~240Vac 50/60Hz | |
| 02 | INPUT RANGE | V ac | 90~264Vac | |
| 03 | RATING INPUT CURRENT | A | 0.1Arms | INPUT:120V OUTPUT:Full load |
| 04 | MAX. INPUT POWER | W | 6 | |
| OUTPUT | | | | |
| 05 | RATING OUTPUT VOLTAGE | V dc | 9.6V | |
| 06 | OUTPUT VOLTAGE RANGE | V dc | 6VDC ~ 12VDC | 12V is open-circuit voltage |
| 07 | SUIT WITH BATTERY | Ah | 6.0~7.2V 500~2800mAh NIMN/NICD | |
| 08 | CHARGE CURRENT | A | 0.42 ± 0.07A | |
| 09 | TRICKLE CURRENT | A | <0.05 | |
| 11 | INNER TIMMER(typical) | hour | 8 | From 1~10 hours, defined by user |
| 12 | MAX. OUTPUT POWER | W | 4W | |
| 13 | HOLD-ON TIME | ms | NC | Input: 120Vac Output: Full load |
| 14 | RIPPLE CURRENT | mA | 30 | Input: 120Vac Output: Full load |
| 15 | MAIN CHARGE END CONDITION | | -ΔV > 5mV /CELL(typical) or VMAX>=1.6V/cell(typical) or Timer out. | For NiCd battery, Vmax is 1.8V/cell This value can be defined by user. |
| 16 | LED INDICATION | | RED: MAIN CHARGE GREEN: FINISHED | |
| 17 | Output shorted Protection Output reverse Protection | - | YES No | |
| 18 | EFFICIENCY | % | 60% | At max. load |
| ENVIRONMENT | | | | |
| 19 | OPERATE TEMP. | °C | -10 ~ +40 | Full load & natural convection. |
| 20 | OPERATE HUMIDITY | %RH | < +90 | Relative humidity, non-condensing. |
| 21 | STORAGE TEMP. | °C | -40 ~ +70 | |
| 22 | STORAGE HUMIDITY | %RH | 0 ~ +95 | Relative humidity, non-condensing. |
| 23 | COOLING | - | Natural convection | |
| 24 | TEMP. FACT | % | -- | |
| 25 | VIBRATION | | 5MM/50HZ/600S | Non-operating condition. |
| 26 | IMPACT | | 1 meter drop test >= 3 times | Non-operating condition. |
| MECHANICAL | | | | |
| 27 | WEIGHT | g | 120 | |
| 28 | SIZE | mm | 81X51X28 | Casing only |
| 29 | Input/Output Cord and Connecters. | - | Defined by user | |
| SAFETY | | | | |
| 30 | TEMP. RISE | °C | < 40 on casing | At any line and Max. Load |
| 31 | SAFETY STANDARD | - | EN60950 UL1950 | |
| 32 | EMC | - | EN55022 B | |
| 33 | MTBF | hrs | 30000 | |
| 34 | ESD | kV | 8.0 | |
| 35 | HI-POT | V | i/p to o/p: 3000 (1 min.) | For final unit, cut-off current =10mA |