

CHAUMX12V-10A Battery Charger Specification

Ultramax SLA Charger 12V – 10A



● Input Data

| ITEM | U | SPECIFICATION | REMARK |
|----------------------|---|-----------------------|------------|
| Rating Input Voltage | V | 100~240Vac 50-60Hz | |
| Input voltage range | V | 90~264Vac | |
| Rating Input Current | A | 1.2A | 220V input |
| Max. input power | W | 150W | |

● Output Data

| ITEM | U | SPECIFICATION | REMARK |
|--|----|--|------------------------------------|
| Rating output voltage | V | 13.8V | |
| Output voltage range | V | 10VDC~15VDC | |
| Suit with Battery type | | 12V 20~100Ah VRLA | |
| Charging current(stage1) (I) | A | 10.0±1.0@12V | |
| Charging voltage(stage2) (V _{max} , V _o) | V | 14.5V+0.2V | |
| Floating voltage(stage3) (V) | V | 13.7V+0.15V | |
| Cut-off (I _{min}) | A | <2.0+0.2A | |
| Typical charging time | h | 8 | |
| Max. output power | W | 120W | |
| Hold-on time | ms | NC | INPUT: 220Vac OUTPUT: Full load |
| Ripple current | mA | 200 | INPUT: 220Vac OUTPUT: Full load |
| Charge finish condition | | V>14V +I<2.0A | |
| LED color | | Red: charging Green: finish/idle | |
| Output protect | - | OCP & OVP & Over Temperature Protection & Polarity error protection & Short circuit protection | |
| Efficiency | % | 80%(min) | At max. load |

● Environment

| ITEM | U | SPECIFICATION | REMARK |
|----------------------|----|-----------------------------|-----------------------------------|
| Operate temperature | °C | -10~+40 | Full load & natural convection |
| Operate humidity | % | 20~90 | Relative humidity, non-condensing |
| Storage temperature | °C | -40~+70 | |
| Storage humidity | % | 10~95 | Relative humidity, non-condensing |
| Cooling | - | Fan force cooling only when | Fan don't work when idle or fully |
| Temperature factor | % | -- | |
| Vibration resistance | | 5MM/50HZ/600S | Non-operating condition. |
| Impact resistance | | 1-meter drop test>=3 times | Non-operating condition. |

● Mechanical

| ITEM | U | SPECIFICATION | REMARK |
|------------|----|--------------------|-------------|
| Weight | g | 600g | |
| Size | mm | 152.5x63.0x45.0 | Casing only |
| Connectors | - | Defined when order | |

● Safety

| ITEM | U | SPECIFICATION | REMARK |
|-----------------------|----|----------------------------------|---------------------------|
| Max. temperature rise | °C | <40 on casing | At any line and Max. Load |
| Safety standards | - | CE | |
| EMC standard | - | CE | |
| MTBF | hr | 40000 | |
| Limited power source | V | - | |
| ESD | K | 8.0 | |
| Hi-Pot Insulation | v | Input to Output:3000Vac (1 min.) | For final cut, cut-off |

● IUoU Charging Graph

