# POWERTRONIC

| SPECIFICATION / MODEL | | ZA MS-250-5 | ZA MS-250-12 | ZA MS-250-24 | ZA MS-250-36 | ZA MS-250-48 |
|---|---|---|---|---|---|---|
| OUTPUT | DC voltage | 5V | 12V | 24V | 36V | 48V |
| | Rated output current | 45A | 20A | 10A | 6.95A | 5A |
| | Output current range | 0~45A | 0~20A | 0~10A | 0~6.95A | 0~5A |
| | DC power | 225W | 250W | 250W | 250W | 250W |
| | Voltage adj.range | ±10% | ±10% | ±10% | ±10% | ±10% |
| | Voltage tolerance | ±2% | ±1% | ±1% | ±1% | ±1% |
| | Ripple and noise | 150mVp-p | 150mVp-p | 150mVp-p | 240mVp-p | 240mVp-p |
| | Intet stability | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | Load stability | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| INPUT | AC voltage range | 85~132VAC/170~264VAC selected by switch 47~63Hz | | | | |
| | Current | 5A/115V  3.5A/230V | | | | |
| | Efficiency | 79% | 82% | 83% | 84% | 84% |
| | AC Inrush current | 20A/115V  40A/230V | | | | |
| | Leakage current | <3.5mA/240VAC | | | | |
| PROTECTION | Overload | Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | | |
| | Over-voltage | 115%~135% Protection type :Shut off | | | | |
| | | 5.75-6.75V | 13.8-16.2V | 27.6-32.4V | 41.4-48.6V | 55.2-64.81V |
| | High temperature | ERH3 ≥ 55°C Fan on,≤ 45°C Fan off,≥ 70°C,Cut down output(5~15V) | | | | |
| SAFETY | Setup rise hold up time | 200ms,100ms,20ms | | | | |
| | Vibration | 10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES | | | | |
| | Withstand voltage | Input and output interval,1.5KVAC,Input and enclosure,1.5KVAC,Output and enclosure,0.5KVAC | | | | |
| | Isolation resistance | Input and output interval,Input and enclosure,Output and enclosure,500VAC/100M Ohms | | | | |
| ENVIRONMENT | Temperature coefficient | ±0.03%/°C (0~50°C ) | | | | |
| | Working temperature and humidity | -10°C~+60°C,20~90%RH | | | | |
| | Store temperature and humidity | -20°C~+85°C,10~95%RH | | | | |
| OTHER | Overall dimension | 200×110×50mm   20pcs/Carton ( common packing ) | | | | |
| | Weight | 0.84Kg | | | | |
| CERTIFICATE | CE EMC Authenticate | EN55022:2010 EN61000-3-2:2006+AL:2009 EN61000-3-3:2008 | | | | |
| | | EN55024:2010 EN55015:2006+AL2007+2009 EN61547:2009 | | | | |
| | CE LVD Authenticate | EN61347-1:2008T A1:2001 EN61347-2-13:2006 | | | | |
| | | EN60950-1:2006+A11:2009+A1:2010+A12:2001 | | | | |
| | ROHS Authenticate | EPA3050B:1996 EN1122B:2001 EPA3052:1996 EPA3060A:1996 | | | | |
| | | EPA7196A:1992 EPA3540C:1996 EPA8270D:2007 IEC62321:2008 | | | | |