

EM SERIES

12V / 24V MODIFIED SINE INVERTER

Single-Phase Inverter



- Modified sine wave output(THD<3%);
- High surge power up to 2 times of real loading power;
- Loading 1.5times rated power for 10s,2times for 2s;
- High efficiency up to 92%;
- Power ON-OFF switch;
- Front panel indicator for operation status;
- Thermostatically and load controlled cooling fan;
- Protections:Bat. low alarm/Bat. low shutdown /Bat. over shutdown/output short/overload/over Temp.

| SPECIFICATION | | | | | | | |
|--------------------------|----------------------------|---|----------------|----------------|------------|------------|-------------|
| MODEL | | EM150 | EM300 | EM600 | EM1200 | EM2000 | EM3000 |
| OUTPUT | RATED POWER | 150W | 300W | 600W | 1200W | 2000W | 3000W |
| | SURGE POWER | 300W | 600W | 1200W | 2400W | 4000W | 6000W |
| | AC VOLTAGE | Factory setting set at 230V AC (220V~240V) | | | | | |
| | FREQUENCY | Factory setting set at 50HZ/60HZ | | | | | |
| | WAVE FORM | Modified sine wave(THD<3%) at rated input voltage | | | | | |
| | AC REGULATION | ±10% | | | | | |
| | STANDARD RECEPTACLES | Schuko | | | | | |
| FRONT PANEL INDICATOR | Operation and fault status | | | | | | |
| INPUT | DC VOLTAGE | 12V | | | | | |
| | VOLTAGE RANGE | 10.5-16VDC | | | | | |
| | DC CURRENT | 16A | 32A | 50A | 80A | 120A | 150A |
| | NO LOAD CURRENT DRAW | 0.17A | 0.17A | 0.19A | 0.19A | 0.21A | 0.23A |
| | EFFICIENCY | >92% | | | | | |
| | BATTERY TYPES | Recommend use Open & sealed lead acid battery | | | | | |
| BATTERY INPUT PROTECTION | BAT.LOW ALARM | 10.5±0.3V | | | | | |
| | BAT.LOW SHUTDOWN | 10±0.3V | | | | | |
| | BAT.OVER SHUTDOWN | 16±0.3V | | | | | |
| | REVERSE POLARITY | By design outside fuse | | | | | |
| OUTPUT | OVER TEMPERATURE | 75°C | | | | | |
| | OUTPUT SHORT | SHUT OFF | | | | | |
| | OVER LOAD | 110% rated power/protection type:shut down o/p voltage;re-power on to recover within 10 times | | | | | |
| ENVIRONMENT | WORKING TEMP. | 0~+40°C@100% load;60°C @50% load | | | | | |
| | WORKING HUMIDITY | 20%-90% RH non-condensing | | | | | |
| | STORAGE TEMP. | -30~+70°C/-22~+158°F | | | | | |
| | STORAGE HUMIDITY | 10%-95% RH non-condensing | | | | | |
| SAFETY | CE | Compliance to EN50498 | | | | | |
| | LVD | Compliance to EN60950-1 | | | | | |
| | ROHS | Compliance to EN50581 | | | | | |
| | E-MARK | E13*10R05/01*14562*00 | | | | | |
| LED BUZZER | LOW BAT.ALARM | Buzzer sound 2 times and red light blink 2 times every 8s | | | | | |
| | LOW BAT.SHUTDOWN | Buzzer sound 3 times and red light blink 3 times every 8s | | | | | |
| | OVER BAT.SHUT DOWN | Buzzer sound 4 times and red light blink 4 times every 8s | | | | | |
| | OVER TEMP | Buzzer sound 5 times and red light blink 5 times every 8s | | | | | |
| | OVER LOAD | Light blink constantly | | | | | |
| OTHER | COOLING | Load and Temp. control the fan | | | | | |
| | EQUIPMENTS | 0.8M connect cables,manual,free color package | | | | | |
| | DIMENSION(MM) | 120*102*65 | 120*102*65 | 150*102*65 | 210*150*80 | 290*220*85 | 320*220*120 |
| | CARTON SIZE(CM) | 40.5*37.5*32.5 | 40.5*37.5*32.5 | 46.5*37.5*32.5 | 42*34*47.5 | 43*30.5*36 | 49*30*43 |
| | APPLICATION | Home and office applications,power tools and portable equipment,vehicle,yacht and solar system. | | | | | |