

## 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 1.5 times rated power for 10s, 2 times 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	<b>0.8M connect cables,manual,free color package</b>					
	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.					