

# Mecer Inverter



- Simulated sine wave inverter
- Built-in AVR for voltage regulation
- Wide input voltage range: 90-280 VAC
- 12VDC or 24VDC available
- Overload and short circuit protection
- LCD display for comprehensive information

INVERTER/CHARGER

## Mecer Inverter Selection Guide

MODEL	Mecer IVR-1200LBK	Mecer IVR-2400LBK
CAPACITY	1.2KVA/ 720W	2.4KVA/ 1440W
Power Factor	0.6	
Input voltage range	90-280VAC	
<b>LINE MODE</b>		
Output voltage	Bypass mode: Output voltage same as input voltage AVR mode: Output voltage = Input voltage*1.2 @ Input voltage<200VAC	
Output Frequency	Same as input	
<b>BATTERY MODE</b>		
Output voltage	230Vac ±10%	
Transfer Time	20ms typical	
Waveform	Modified Sine-wave	
<b>OVERLOAD CAPABILITY</b>		
Bypass Mode (in VA and Watts)	Load >110%±15% , alarm 5 mins then fault Load >130% ±15%, fault immediately.	
AVR Mode (in VA and Watts)@ Input voltage > 170VAC	Load >100%±15%, go to bypass mode	
AVR Mode (in VA and Watts)@ Input voltage < 170VAC	Load >60%±15%, go to bypass mode	
Battery Mode (in W)	Load>110% ±15%, overload alarm for 15s, and then will switch to fault mode for 10s. Then unit will re-start for 5 times. Load>120% ±15% , fault & cut off O/P immediately.	
<b>SHORT CIRCUIT PROTECTION</b>		
Line Mode	Breaker	
Battery Mode	Current limit +Firmware Protection	
<b>BATTERY</b>		
Battery Voltage	12VDC	24VDC
Acceptable Battery Type	Rechargeable lead-acid battery, Deep discharge battery	
Polarity Reserve Protection	Yes	
Charger available I/P range	90~280V	
<b>CHARGER</b>		
Constant Current Charger Voltage	14.3VDC ±2%	28.6VDC ±2%
Floating Charge Voltage	13.7VDC ±2%	27.4VDC ±2%
Maximum Charge Current	10A or 20A	
DC Start Voltage	>11VDC	>22VDC
<b>PHYSICAL</b>		
Dimension, D X W X H (mm)	350 x 90 x 300	
Net Weight (kgs)	4.5	5.5
<b>ENVIRONMENT</b>		
Operating Temperature	0°C to 40°C	
Storage Temperature	-15°C to 50°C	
Operating Humidity	0 to 90% Relative Humidity(Non-condensing)	

Product specifications are subject to change without further notice

