

# MECER<sup>®</sup>

# INVERTER

## 1200MPPT / 2400MPPT



**IVR-1200MPPT/ IVR-2400MPPT**

### **Features**

- Simulated sinewave inverter
- Wide input voltage range
- 12VDC or 24VDC available
- Overload and short circuit protection
- LCD display for comprehensive information
- MPPT

## Specifications

MODEL	IVR-1200MPPT		IVR-2400MPPT	
<b>CAPACITY</b>	<b>1200VA/1000W</b>		<b>2400VA/1800W</b>	
<b>POWER FACTOR</b>	<b>0.83</b>		<b>0.75</b>	
<b>INPUT</b>				
Voltage	220-240 VAC			
Voltage Range	90-280 VAC			
Nominal Operating Frequency	50/60Hz			
Maximum Input Current	10A		13A	
<b>OUTPUT</b>				
Nominal Output Voltage	220-240 VAC			
Voltage Regulation (Batt. Mode)	+/-10%			
Output Frequency Range	50/60Hz			
Nominal Output Current	5.2A		10.4A	
Inrush Current	10A		13A	
Maximum Output Fault Current	6.9A		13.6A	
Transfer Time	20 ms typical			
Waveform	Simulated Sine Wave			
<b>BATTERY</b>				
Battery Voltage	12 VDC		24 VDC	
Maximum Battery Discharging Current	100A		90A	
Floating Charge Voltage	13.7 VDC ±0.5 VDC		27.4 VDC ±1 VDC	
CV Charging Voltage	Lead Acid Battery	14.3 VDC ±0.5 VDC		28.6 VDC ±1 VDC
	Lithium Battery	14.6 VDC ±0.5 VDC		29.2 VDC ±1 VDC
Cut Off Voltage	10.5 VDC ±0.5 VDC		21.0 VDC ±1 VDC	
Maximum AC Charging Current	10 A or 25 A		10 A or 25 A	
<b>SOLAR CHARGER</b>				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	100 VDC			
MPP Range @ Operating Voltage	15 ~ 80 VDC		30 ~ 80 VDC	
Max. PV array Input Power	825W		1650W	
Max. PV array Power to support	660W		1320W	
Maximum Solar Charging Current	55 A		55 A	
Maximum Charging Current (Utility +SCC)	55 A		55 A	
<b>PHYSICAL</b>				
Dimension (DxWxH) mm	272 x 212 x 127			
Net Weight (kgs)	4.5		4.8	
Protective Class	I			
Ingress Protection Rating	IP20			
<b>ENVIRONMENT</b>				
Humidity	0 ~ 90% RH (No condensing)			
Operating Temperature	0 ~ 55°C			
Altitude	0 ~ 1000 m			

\* Product specifications are subject to change without further notice

E. & O.E.

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www.mecer.co.za  
www.mustek.co.za

**Johannesburg**  
Tel: 011 237 1000

**Cape Town**  
Tel: 021 413 3000

**Durban**  
Tel: 031 534 7000

**Bloemfontein**  
Tel: 051 405 0400

**Port Elizabeth**  
Tel: 041 397 8700

**Kimberley**  
Tel: 053 831 1571

**Gauteng**  
Tel: 011 237 1000

**W Cape**  
Tel: 021 413 3000

**KwaZulu-Natal**  
Tel: 041 534 7000

**E Cape**  
Tel: 041 397 8700

**Free State**  
Tel: 051 405 0400

**N Cape**  
Tel: 053 831 1571

**Mpumalanga**  
Tel: 013 752 6027

**Nelspruit**  
Tel: 013 752 6027

**Kenya**  
Mustek East Africa Ltd.  
Tel: +254 020 3752175-9

**Limpopo**  
Tel: 015 298 8571

**North West**  
Tel: 018 381 5938