

## Product Features

- 1.5kVA / 1.2kW Pure Sine Wave Inverter incl. 40A MPPT Solar Charge Controller
- 1.4kWh LiFePO4 Battery
- Battery display panel & isolator switch
- Integrated distribution board
- Pre-configured for UPS applications
- Solar-configurable via inverter UI
- 3 Year warranty on batteries

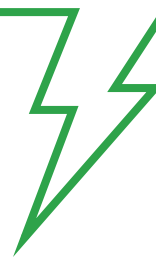


### Compact Power Station (Complete Unit)

Dimensions (mm)	71 x 68 x 20cm (W x H x D)
Weight (kg)	40 kg

## Inverter Specifics: Mecer 12V 1.5kVA

Power	
Rated Power	1 500VA / 1 200W
Input	
Voltage	230 VAC
Selectable Voltage Range	170 ~ 280 VAC (for PC's)   90 ~ 280 VAC (for appliances)
Frequency Range	50Hz / 60Hz (auto-sensing)
Output	
AC Voltage Regulation (Battery Mode)	230 VAC ±5%
Surge Power	3 000 VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	10ms (for PC's)   20ms (for appliances)
Waveform	Pure Sine Wave
Solar Charger & AC Charger	
Max. PV Array Voltage (Open circuit)	100 VDC
Max. PV Array Power	500 W
MPP Range @ Operating Voltage	15 VDC ~ 80 VDC
Max. Solar Charge Current	40 A
Max. AC Charge Current	60 A
Max. Charge Current (Total)	100 A
Environmental	
Humidity	5% ~ 95% Relative Humidity (non-condensing)
Operating Temperature Range	-10°C ~ 50°C
Storage Temperature Range	-15°C ~ 60°C



## Product Features

- Ultra-reliable Lithium Iron Phosphate (LiFePO4) technology
- Integrated battery management System (BMS)
- Light weight & compact
- Water & dust resistant (IP56)
- Highly durable ABS enclosure
- Drop-in lead acid replacement



## Technical Specifications

General Information	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Usable Capacity	1 400 Wh @C10, 25°C
Nominal Voltage	13 VDC
Operating Voltage Range	11.6 VDC – 14.4 VDC
Operating Temperature Range	Charge: 0°C – 45°C   Discharge: -20°C – 65°C
Cycle Life @ 100% DoD	> 2 000 cycles (1 400 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 3 000 cycles (1 120 Wh @C10, 25°C)
Cycle Life @ 50% DoD	> 5 000 cycles (700 Wh @C10, 25°C)
Dimensions (mm)	342 x 173 x 220mm (W x D x H)
Weight (kg)	14 kg
Warranty Period	3 Years
Terminal	M8 (female)
Charge / Discharge	
Bulk Voltage	14.4 VDC
Discharge Voltage (min.)	11.6 V
Charge Current	52.5 A continuous
Discharge Current	110 A continuous 160 A burst (30 seconds)
Self-discharge Rate	< 3% per month
Charge & Discharge Efficiency	96% - 99% @C1
Environmental Protection	
Environmental Protection	IP56
Over-current Protection	110 A
Over-voltage Cut-out	15.6 V
Under-voltage Cut-out	10.0 V

