



## Product Features

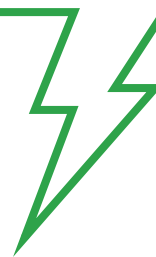
- 3kVA / 2.4kW Pure Sine Wave Inverter incl. 40A MPPT Solar Charge Controller
- 2 x 1.4kWh LiFePO4 Batteries
- Battery monitoring display panel
- Integrated distribution board
- Pre-configured for UPS applications
- Solar-configurable via inverter UI
- 3 Year warranty on batteries

### Compact Power Station (Complete Unit)

Dimensions (mm)	72 x 79 x 16cm (unit only)   79 x 86 x 23cm (packaged)
Weight (kg)	60.5kg (unit only)

## Inverter Specifics: Mecer 12V 1.5kVA

Power	
Rated Power	3000VA / 2400W
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	6 000 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)	102 VDC
Max. PV Array Power	1 000 W
MPP Range @ Operating Voltage	30 VDC ~ 80 VDC
Max. Solar Charge Current	40 A
Max. AC Charge Current	25 A
Max. Charge Current (Total)	60 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 Analog BMS (Battery Management System)
- 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	2 800 Wh @C10, 25°C
Nominal Voltage	26 VDC
Operating Voltage Range	23.2 VDC – 28.8 VDC
Operating Temperature Range	Charge: 0°C – 45°C   Discharge: -20°C – 65°C
Cycle Life @ 100% DoD	> 2 000 cycles (2 800 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 3 000 cycles (2 240 Wh @C10, 25°C)
Cycle Life @ 50% DoD	> 5 000 cycles (1 400 Wh @C10, 25°C)
Dimensions (mm)	2 x [342 x 173 x 220mm] (W x D x H)
Weight (kg)	2 x 14 kg
Warranty Period	3 Years
Terminal	M8 (female)
Charge / Discharge	
Bulk Voltage	28.8 VDC
Discharge Voltage (min.)	23.2 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	31.2 V
Under-voltage Cut-out	20.0 V

