

Product Features

Core Integrated Hardware:

- 3kVA / 3kW Pure Sine Wave Inverter incl. 40A MPPT Solar Charge Controller.
- 2 x 1.4kWh LiFePO4 Batteries.
- Battery monitoring display panel.
- Integrated distribution board.

Other features:

- Pre-configured for UPS applications.
- Solar-configurable via inverter UI.
- 3 Year battery warranty included.



Technical Specifications

COMPACT POWER STATION (COMPLETE UNIT)	
Dimensions (W x H x D)	72 x 79 x 16cm (unit only) 79 x 86 x 23cm (packaged)
Weight (Total)	60.5kg

INVERTER SPECIFICS: MECER 3kVA/3kW

POWER	
Rated Power	3000VA / 3000W
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	6000 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)	75 VDC
Max. PV Array Power	600 W
MPP Range @ Operating Voltage	30 ~ 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

Key Product Features:

- Ultra-reliable Lithium Iron Phosphate 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

BATTERY SPECIFICS: 2 x BN13V-108-1.4k

GENERAL INFORMATION	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Usable Capacity	2800 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	> 2000 cycles (2800 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 3000 cycles (2240 Wh @C10, 25°C)
Cycle Life @ 50% DoD	> 5000 cycles (1400 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 (max.)	52.5 A continuous
Discharge Current (max.)	110 A continuous 160 A burst (30 seconds)
Self-discharge Rate	< 3% per month
Charge & Discharge Efficiency	96% - 99% @C1
PROTECTION	
Environmental Protection	IP56
Over-current Protection	110 A
Over-voltage Cut-out	31.2 V
Under-voltage Cut-out	20.0 V