

# SOLTARO BATTERIES

## LiFePO4 - 2kWh & 4.5 kWh Battery



Modular



Scalable



Intelligent



High Output

20 Year Life Expectancy/10,000 Cycles

### Class Leading Features

- Aesthetically pleasing for Domestic and Corporate environments
- 90% depth of discharge, 10,000 cycles
- Plug & Play with on board VPP capability
- 10 year warranty for materials and workmanship
- Compatible with \*Victron, Mass Energy, \*Ingeteam, SolaX and \*Goodwe
- Automatic unit fault isolation
- Scalable from 2kWh up to 22.5kWh of storage

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**Manufactured in China**



**SOLTARO**  
POWERING THE FUTURE WITH SOLAR



4.5kWh Battery



2kWh Battery

## LiFePO<sub>4</sub>

Lithium-iron phosphate (LiFePO<sub>4</sub>) is one of the most reliable, safe and long-lasting lithium battery technologies currently available. Our unique high chemical stability coupled with our state of the art Battery Management System (BMS) allows us to deliver high charge and discharge levels to a variety of inverters. Soltaro batteries are designed with multi-cycling in mind making our solution the perfect choice for residential or commercial application.

## Datasheet

Model	Soltaro 2kWh	Soltaro kWh
Total Energy (kWh)	2kWh	4.5kWh
Useable Energy (kWh)	1.8kWh (90% DOD)	4.05kWh (90% DOD)
Capacity (Ah)	40Ah	90Ah
Nominal Voltage (V)	51.2V	51.2V
Voltage Range (V)	40V - 58.4V	40V - 58.4V
Nominal Charge Current (A)	40A (1C)	90A (1C)
Nominal Discharge Current (A)	40A (1C)	90A (1C)
Peak Discharge Current (A)	60A (1.5C) 2 min	100A (1.1C) 2 min
Connection Mode	Parallel	
Scalability Range/Mode	5 Units with Junction Box,	
Installation	Wall Mounted	
Communication	RS485/CAN	
Temperature Range (°C)	0°C - 45°C charge (option - 45°C low temp charge UK Version) -20°C - 55°C discharge	
Enclosure IP Rating	IP65	
Calendar Life (Year)	20 years @ 25°C, 15 years @ 35°C, 10 years @ 45°C	
DOD	90%	
Dimensions	414 x 387 x 183mm	412 x 586 x 175mm
Weight (kg)	33kg	38kg
Standard Warranty	10,000 cycles @ 90% DOD or 10 years,	
Cell Certificates	UL1642, IEC62133	
Product Certificates	UL1973, IEC62619, UN38.3	
Compatible Inverters	SolaX, *Goodwe, *Imeon, *Ingeteam, Soltaro & Mass Energy	

\*Software compatible with live testing to be conducted. See Soltaro support portal for latest compatibility list.

