



POWER BATTERY

5.0 | 7.5 | 10.0 | 12.5 | 15.0

MODULAR HIGH VOLTAGE OUTDOOR BATTERY FOR PV STORAGE SYSTEMS



environmentally friendly
and safe LiFePO₄ battery



modular space
saving design



easy to transport
and install



everything needed
from one source

HIGH PERFORMANCE

- LiFePO₄ technology
- Max. 0.7C charging/discharging rate
- Intelligent equalization
- High voltage, high efficiency, low stress operation

EASY INSTALLATION

- Lightweight components
- Modern and space-saving design
- Modular concept and simple wiring for easy transport and installation
- Master battery management system
- Plug & play

MONITORING VIA APP

- Powerful RCT RESS App
- Full data visualization
- Monitoring from every location
- Configuration options
- One click update

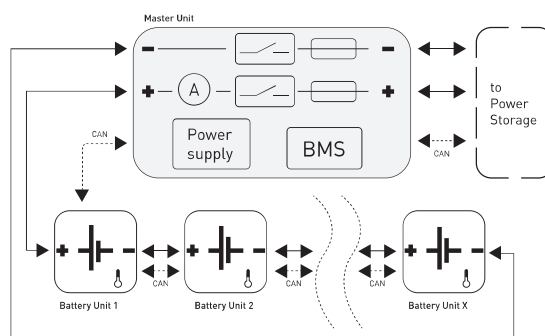
FLEXIBLE AND UPGRADEABLE

- Extendable capacity for lifetime use: 5-15 kWh
- Usable capacity scalable in increments of 2.25 kWh
- Upgradeable
- Suitable for back-up systems

SUSTAINABLE

- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee
- IP65: Suitable for outdoor installation
- Suitable for salt water-wet locations
- Corrosion-resistant aluminum housing
- All components carry necessary UL certifications

BLOCK DIAGRAM



POWER BATTERY

5.0**7.5****10.0****12.5****15.0**

ELECTRICAL PARAMETERS

Nominal capacity	5 kWh	7.5 kWh	10 kWh	12.5 kWh	15 kWh
Usable capacity (90% DoD)	4.5 kWh	6.75 kWh	9 kWh	11.25 kWh	13.5 kWh
Cycle Life	6000				
Voltage range	145 V...166 V	218 V ... 248 V	291 V ... 331 V	364 V ... 414 V	436 V ... 497 V
Nominal voltage	154 V	230 V	307 V	384 V	461 V
Maximum charge / discharge current	25 A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A
Standby consumption	< 5 W				

INTERFACES

Power Storage interface	CAN
-------------------------	-----

GENERAL

Battery technology	LiFePO ₄				
Dimensions (height x width x depth)	597x344x344 mm 1.96'x1.13'x1.13'	829x344x344 mm 2.72'x1.13'x1.13'	1058x344x344 mm 3.47'x1.13'x1.13'	1289x344x344 mm 4.23'x1.13'x1.13'	1518x344x344 mm 4.98'x1.13'x1.13'
Weight (single stack 25.2 kg(55.5 lb))	56.4kg (124.3 lb)	81.6kg (179.9 lb)	106.8kg (235.5 lb)	132kg (291.0 lb)	157.2kg (346.6 lb)
Number of battery units	2	3	4	5	6
IP degree of protection	IP65				
Type of installation	floor stand / indoor / outdoor				
Operating temperature range	-18 ~ 55°C (-0.4 °F~ 131°F)				
Connector type	Quick Contact MC4 - Evo 2				

SAFETY / STANDARDS

Safety class	I
Certificates	UN 38.3, UL1973, UL60730-1, UL9540A, IEC 62619, IEC63056
EMC	FCC Part 15B, ICES-003, IEC 61000-6-1&-6-3
Safety	UL1973, UL60730-1, UL9540A, IEC60730, IEC62040

WARRANTY

Warranty	10 years*
----------	-----------

* Test condition of 77±35.6°F, 0.3C charge and discharge rate and SOH=70%