POWER BATTERY
3.8 | 5.7 | 7.6 | 9.6 | 11.5

MODULAR HIGH VOLTAGE INDOOR 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 EFFICIENCY

- LiFePO$_4$ technology
- 25 A charge & discharge capability
- High voltage, high efficiency, low stress operation
- Modern and space-saving design

EASY INSTALLATION

- Modular concept and simple wiring for easy transport and installation
- All components are lighter than 25 kg
- Master battery management system
- Plug & play

MONITORING VIA APP

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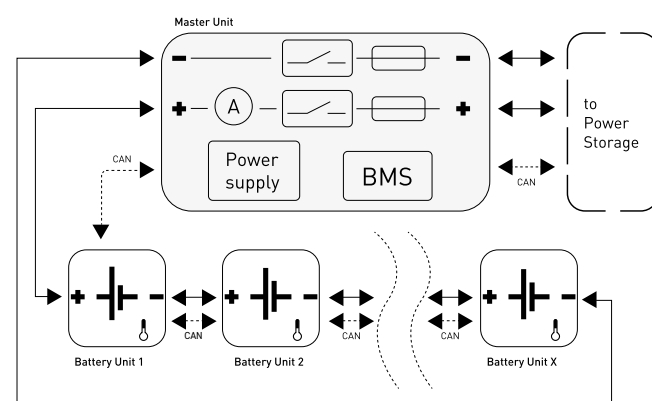- Monitoring from every location
- Configuration options
- One click update

FLEXIBLE AND UPGRADEABLE

- 2 - 6 battery stacks
- Usable capacity scalable in incrementes of 1.7 kWh
- Upgradeable
- Suitable for back-up systems

SUSTAINABLE

- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee

BLOCK DIAGRAM

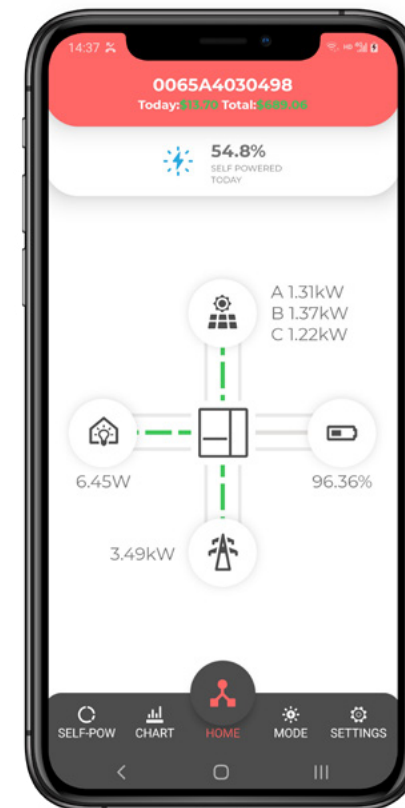| POWER BATTERY	3.8	5.7	7.6	9.6	11.5
ELECTRICAL PARAMETERS					
Nominal capacity	3,84 kWh	5,76 kWh	7,68 kWh	9,60 kWh	11,52 kWh
Usable capacity (90% DoD)	3,46 kWh	5,18 kWh	6,91 kWh	8,64 kWh	10,37 kWh
Cycle Life (at 80% remaining capacity)	5000				
Voltage range	120 V ~ 173 V	180 V ~ 260 V	240 V ~ 346 V	300 V ~ 432 V	360 V ~ 520 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)	600x340x340 mm	830x340x340 mm	1060x340x340 mm	1290x340x340 mm	1520x340x340 mm
Weight (single module 24kg)	54 kg	78 kg	102 kg	126 kg	150 kg
Number of battery units	2	3	4	5	6
IP degree of protection	IP42				
Type of installation	floor stand / indoor				
Operating temperature range	-15 °C ~ +50 °C				
Connector type	Quick Contact MC4 Evo2				
SAFETY / STANDARDS					
Safety class	I				
Certificates	CE, UN 38-3, EN/IEC 62619, UN 38-3, UL1973, UL60730-1, UL9540A, EN/IEC 62040-1				
EMC	EN61000-6-2, EN61000-6-3, EN61000-3-2, FCC Part 15B				
Safety	UL1973, UL60730-1, UL9540A				
WARRANTY					
Warranty	10 years				

RCT RESS APP

With the powerful RCT RESS App you can manage and control all functions of your storage system. Installation, maintenance and control are made easy. The App is a flexible tool and includes comprehensive data visualisation and various configuration options.

GET IT ON Google Play

Download on the App Store

**Technology and Design
Made in Germany**

RCT power