



POWER BATTERY

3.8 | 5.7 | 7.6 | 9.6 | 11.5

MODULAR HIGH VOLTAGE BATTERY
FOR PV STORAGE SYSTEMS

HIGH EFFICIENCY

- LiFePO4 technology
- 25 A charge- & discharge power
- 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 and play

MONITORING VIA APP

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

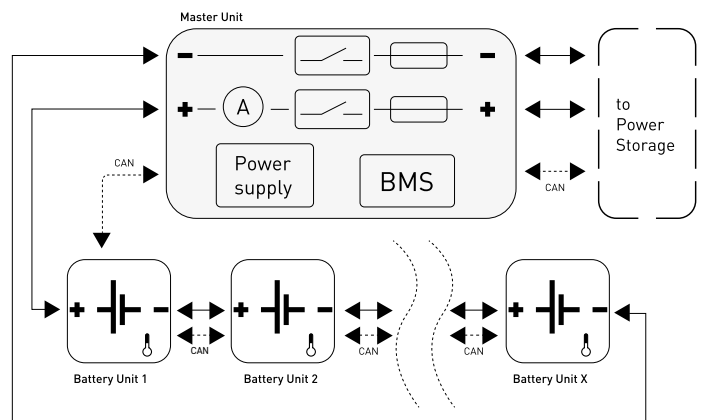
FLEXIBLE AND UPGRADEABLE

- 2 - 6 battery stacks
- Usable capacity scalable in increments 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
Order number	BPB038N1AE0	BPB057N1AE0	BPB076N1AE0	BPB096N1AE0	BPB115N1AE0

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
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GENERAL

Battery technology	LiFePO ₄				
Dimensions (height x width x depth)	0,60x0,34x0,34 m	0,83x0,34x0,34 m	1,06x0,34x0,34 m	1,29x0,34x0,34 m	1,52x0,34x0,34 m
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	+5°C ... +40°C				
Connector type	Weidmüller PV-Stick (MC4-compatible)				

SAFETY / STANDARDS

Safety class	1
Certificates	CE, UN 38-3, EN/IEC 62619, EN/IEC 62133, Sicherheitsleitfaden BVES für Batteriespeicher
EMC	EN61000-6-2, EN61000-6-3, EN61000-3-2, EN61000-3-3
Safety	EN/IEC 61010-1:2010

RCT POWER APP

With the powerful RCT Power 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, various configuration options and dedicated one-click update facilities.



RCT
power

Link to Google Play