



POWER BATTERY

3.8 | 5.7 | 7.6 | 9.6 | 11.5

MODULAR HIGH VOLTAGE BATTERY FOR
PV STORAGE SYSTEMS

HIGH EFFICIENCY

- LiFePO4 technology
- 20 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 25kg
- 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

FLEXIBIL AND UPGRADEABLE

- 2-6 battery modules
- Usable capacity scalable in increments of 1,7 kWh
- Upgradeable
- Suitable for back-up systems

SUSTAINABLE

- Cells with extra ceramic coated separator for longer lifetime
- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee
- German battery management system



Link to Google Play



INFORMATION & DISTRIBUTION

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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 power	3100W/3100W	4600W/4600W	6100W/6000W	7680W/6000W	9220W/6000W
Maximum charge / discharge current	20 A / 20 A	20 A / 20 A	20 A / 20 A	20 A / 20 A	20 A / 20 A
Standby consumption	< 5 W				

INTERFACES

Power Storage interface	CAN
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GENERAL

Battery technology	LiFePO4				
Dimensions (height x width x depth)	0,62x0,34x0,34m	0,87x0,34x0,34m	1,12x0,34x0,34m	1,36x0,34x0,34m	1,61x0,34x0,34m
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, IEC 6219, IEC 62133, Sicherheitsleitfaden BVES für Batteriespeicher
EMC	EN61000-6-2, EN61000-6-3, EN61000-3-2, EN61000-3-3
Safety	EN/IEC62109-1, EN/IEC62109-2

BLOCK DIAGRAM

