



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



Link to Google Play

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

INFORMATION & DISTRIBUTION

RCT Power GmbH
Line-Eid-Str. 1
D-78467 Konstanz

Phone: +49 7531 99677 0
info@rct-power.com
www.rct-power.com

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 |
|-------------------------|-----|

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 62619, 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

