

POWER BATTERY PREMIUM

MODULAR HIGH VOLTAGE BATTERY FOR PV STORAGE SYSTEMS

Environmentally friendly and save LiFePO4 Battery

Modular space saving design

Easy to transport and install

Everything needed From one source

HIGH EFFICIENCY

- Intelligent balancing
- Max.0,8 C charging-/ discharging rate
- High voltage, high efficiency
- Low thermal stress

FLEXIBLE

- 2-6 Battery modules / batterytower
- Up to 2 battery towers Premium in parallel
- Capacity scalable in 2.5 kWh-steps
- Up to 30kWh of capacity per system

EASY INSTALLATION

- Modular concept
- Modern and space-saving design
- Plug & play installation without cabeling
- IP65: suitable for indoor and outdoor installations
- Lightweight components

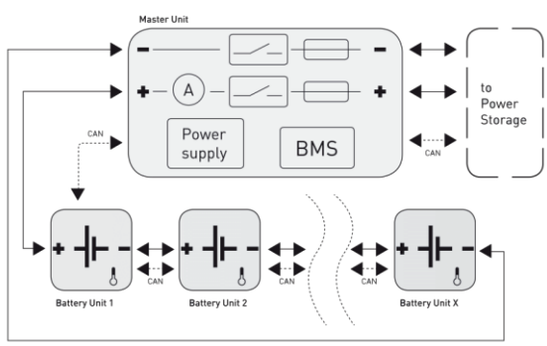
SUSTAINABLE

- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee
- Corrosion-resistant aluminium housing

APP - MONITORING

- Powerful RCT Power App
- Full data visualization
- Worldwide monitoring
- Multiple configuration options
- One-click update

BLOCK DIAGRAM



POWER BATTERY PREMIUM 5.0 - 30.0

POWER BATTERY PREMIUM MODULE	2.5
Nominal capacity	2.5 kWh
Usable capacity (90% DoD)	2.25 kWh
Battery technology	$LiFePO_4$
ZCycle life at 80 % remaining capacityt*	6000
DC voltage range	72 V...83 V
DC nominal voltage	76.8V
Maximum charging- / discharging current	25 A / 25 A
Dimensions (WxHxD)	344 mm x 344 mm x 230 mm
Weight	24.8 kg

POWER BATTERY PREMIUM MASTER					
Power Storage Premium interface	CAN				
Number of Battery Premium Modules per Master	2-6				
Max. number of Masters in parallel	2				
Connector type	Weidmüller PV-Stick				
Standby consumption	< 5W				
Dimensions incl. stand (WxHxD)	344 mm x 344 mm x 133 mm				
Weight incl. stand	7.6kg				

GENERAL					
IP degree of protection	IP65				
Ambient temperature range	-10°C ...+50°C				
Max. relative humidity	0% ....95% (no condensing)				
Type of installation	Floor stand with wall fastening				
Max. installation height over sea level	2000 m				
Protection class	1				
System height incl. master and stand	2 modules 602mm	3 modules 831mm	4 modules 1060mm	5 modules 1291mm	6 modules 1516mm
Warranty	10 years*				
Standards	Securityt: EN IEC62619, EN IEC60730, EN IEC63056, EN IEC62477-1, UN38.3 EMV: EN IEC61000-6-2, EN IEC61000-6-3 Others: EU Batteriegesetz 2023/1542				

*Test conditions 25+/-2°C, 0,3C charge and discharge rate and SOH=70%

© RCT Power GmbH Subject to change without notice. Version EN_260520

RCT power