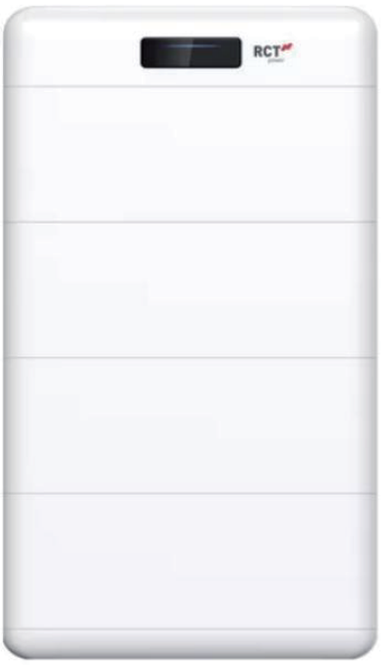


POWER BATTERY FLEX

FLEXIBLE HIGH VOLTAGE BATTERY FOR PV – STORAGE SYSTEMS

Supports both hold and new battery types

Modular design

Easy transport and installation

Everything from a single source

STURDY

- Intelligent balancing on module-level
- 0,5 C charge-/ discharge rate
- 314 Ah-cells for long service life
- 10 years of warranty*
- High voltage, high efficiency, low thermal stress

FLEXIBLE

- 1-6 Battery modules per battery tower
- Scalable capacity with 6/9 kWh modules
- Parallel operation with two battery towers
- Independent battery module management simplifies retrofitting
- Up to 54 kWh per tower

EASY INSTALLATION

- Modular Concept
- Modern and space-saving design
- Wireless plug & play installation
- IP65 suitable for indoor and outdoor installations

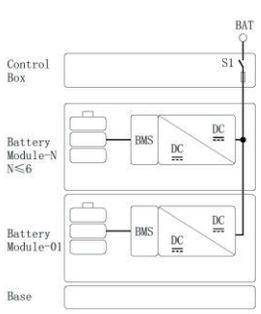
SECURE

- Lithium iron phosphate cell chemistry
- Temperature-resistant
- Comprehensive temperature monitoring
- Thermal insulation layer
- Pressure relief valve
- Fire protection device

APP-MONITORING

- Powerful RCT Power App
- Comprehensive data visualisation
- Global plant monitoring
- Numerous configuration options
- One-click update

BLOCK DIAGRAM



POWER BATTERY FLEX

POWER BATTERY FLEX MODULE	PBFL -P6.0	PBFL -P9.0
Nominal capacity	6.02 kWh	9.04 kWh
Usable capacity(97%D0D)	5.83 kWh	8.76 kWh
Battery technology	$LiFePO_4$	
DC voltage range	350 ... 900 V	
DC rated voltage	700 V (three-phase system)	
Cooling	Free air convection	
Nominal charge- / discharge power	3.0 kW	4.5 kW
Maximum charge-/ discharge power(10s)	4.5 kW	6.75 kW
Dimensions (WxHxD)	745mm x 345mm x 322mm	
Weight	69.3kg	87.4kg

POWER BATTERY FLEX MASTER	PBFL -M
Power Storage Flex interface	CAN
Display	LED display SOC and status
Number of Battery Flex Module per Master	1-6
Connector type	MC4
Dimensions inkc. Base (WxHxD)	745mm x 345mm x 160mm
Weight incl. base	13.3kg

GENERAL						
IP protection class	65					
Ambient temperature range	-20 ... +55 °C(charge: 0~55 ℃, discharge: -20~55 ℃)					
Max. relative humidity	5 ... 95 % (not condensing)					
Installation type	Floor-standing with wall mounting					
Maximum installation height above sea level	3000 m					
Protection class	I					
Warranty	10 years*					
System height incl. master and base	1 module 500mm	2 modules 780mm	3 modules 1060mm	4 modules 1340mm	5 modules 1620mm	6 modules 1900mm

* Details please refer to related product warranty

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