

SBR050

High Voltage LFP Battery



HIGH-PERFORMANCE

- Up to 30 A charging and discharging current with high efficiency
- Up to 100% usable energy



SAFETY

- Lithium iron phosphate Battery
- Multi-stages protection design and extensive safety certification



EASY INSTALLATION

- Compact and Light, single person installation
- Plug and Play, no cables needed between battery modules



Type designation	SBR050
System data	
Battery type	LiFePO4 Prismatic Cell
Battery module	2.5 kWh, 33 kg
Energy (useable) **	5 kWh
Nominal voltage	128 V
Operating voltage	108 V – 146 V
Max. charging / discharging current	30 A
Depth of discharge	Max. 100 % DOD (settable)
Short circuit current	3500 A
Display	SOC indicator, Status indicator
Communication interface	CAN
Protection	
Over/under voltage protection	Yes
Over current protection	Yes
Over/under temperature protection	Yes
DC breaker	Yes
General data	
Dimensions (W*H*D)	625 mm * 805 mm * 330 mm
Weight	89 kg
Installation location	Indoor / Outdoor
Mounting method	Floor stand
Operating temperature range	Charge: 0 °C - 50 °C Discharge: -20 °C - 50 °C
Degree of protection	IP55
Allowable relative humidity range	0% - 95% noncondensing
Max. operating altitude	Max. 2000 m
Cooling method	Natural convection
Certificates	CE, CEC, IEC 62619 ,IEC 63056, IEC 62477, IEC 62040, EMC, UN 38.3

* SBR050 consists of 2 battery modules and 1 empty module.

** Test conditions: 25 °C, 100 % depth of discharge (DOD), 0.2C charge & discharge.

