

10 Technical Specifications

Main Parameter		RW-F16
Battery Chemistry		LiFePO ₄
Built-in Circuit Breaker		125A 2P, 60Vdc
Capacity (Ah) ^[1]		314
Scalability		Max.32 pcs pack (Max.512kWh) in parallel
Nominal Voltage (V)		51.2
Operating Voltage(V)		44.8~57.6
Nominal Energy (kWh) ^[1]		16
Usable Energy (kWh@90% DoD)		14.4
Charge/Discharge Current (A) ^[2]	Max. Continuous	160/160
	Peak	300/300 (10 sec)
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D, mm)		480×830×235 (Without hanging board and base)
Weight Approximate		122kg
Master LCD indicator		LCD(SOC and working state)
IP Rating of enclosure		IP20
Working Temperature		Charge: 0°C ~ 55°C Discharge: -20°C ~ 55°C
Recommended Operating Temperature		15°C ~ 35°C
Storage Temperature		0°C ~ 35°C
Relative Humidity		95%
Altitude		≤2000m
Cycle Life		≥6000(25°C±2°C,0.5C/0.5C,90% DOD ,70%EOL)
Installation		Wall-Mounted, Floor-Mounted
Communication Port		CAN2.0, RS485
Energy Throughput		52.5MWH (25°C,0.5C/0.5C,70%EOL)
Certification		UN38.3, MSDS

[1] Test condition: 25°C ± 2°C, at beginning of life, 0.5C charge & 0.5C discharge, 100% DOD.

[2] The current is affected by temperature and SOC.