Residential Energy Storage Solution

Model		RW-F16
Main Parameters		
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(kg)		122
Master LED Indicator		LED (SOC and working state)
IP Rating of Enclosure		IP20
Operating Temperature		Charge : 0 ~ 55°C / Discharge : -20°C ~ 55°C
Recommend 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
Warranty Period [3]		5 / 10 years
Energy Throughput [3]		26.25 / 52.5MWh (25°C, 0.5C / 0.5C, 70%EOL)
Certification		UN38.3, MSDS

[1] Test conditions : 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.

[3] Conditions apply, refer to Deye Warranty Letter.

