

Super Capacitor Energy Storage

Model Type: Wall Mount & Rack Mount

PERFORMANCE SPECIFICATIONS

Model	Wall Mount 5KWh	Wall Mount 15KWh 100A	Wall Mount 15KWh 200A
Total capacity	5kWh	15kWh	15kWh
Nominal Voltage	48V/DC		
Maximum Charge Voltage	58V/DC		
Discharge Cut-off Voltage	37.8V/DC	39.2V/DC	37.8V/DC
ESR/AC @1KHz 50% SOC	<10mΩ	<6mΩ	<10mΩ
Max. Continuous Charge Current	100A		200A
Max. Continuous Discharge Current	100A		200A
Cells Self-discharge Rate	2% per month		
Projected Cycle Life (25°C)	50,000 times		
Round Trip Efficiency	98%		95%
Recommended Depth of Discharge	≤90%		
Maximum Depth of Discharge	100%		
Cooling Method	Natural		
Shell Material	Metal and ABS plastic		
Parallel Connection	Up to 5 sets		
Monitoring Data	System Voltage, Current, Temperature, SOC, SOH, Cycle, Cell's Voltage		
Warranty	10 Years		

COMPLIANCE INFORMATION

Safety	IEC62619, IEC62040
Transport	UN38.3, MSDS
CE	EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013
Environmental	RoHS
Compatible Inverters	Magneto Hybrid, SMA, Sungrow, Goodwe

ENVIRONMENTAL SPECIFICATIONS

Environmental Protection	IP20
Operating Humidity	0~90% RH Non-condensing
Charge Temperature	0°C~+55°C
Discharge Temperature	-20°C~+60°C
Storage Conditions	-20°C~+40°C, 25% ~ 95%RH, SOC>30%, one full charge needed per two months

MECHANICAL SPECIFICATIONS

Model	Wall Mount 5KWh	Wall Mount 15KWh 100A	Wall Mount 15KWh 200A
Weight	65kg	116kg	116kg
Dimensions	470 x 675 x 194 (mm)	700 X 174 X 765 (mm)	700 X 174 X 765 (mm)
Mounting Options	Wall / Floor		