

Powermaster B215 ESS cabinet



BMS has active balancing function ensure the batteries in the optimal working states.



Outdoor cabinet type, reducing the failure loss caused by fire safety.



Multi-cabinet parallel cabinet design, greatly saving floor space.



Prefabricated installation, reducing design and installation and commissioning costs.



PCS modular design, high degree of system availability.



Economical and intelligent operation, effectively enhance the discharge revenue.



Powermaster B215

System Parameters

Rated Power	100 kW
Nominal Capacity	215 kWh
Charge And Discharge Efficiency	≥ 90 %
Continuous Charge/Discharge Rate	0.5C
Charge And Discharge Depth	90 %DOD (Recommended)
Cycles	6000 Times
Communication Interface	Ethernet/RS485/4G /5G
Letter of Agreement	IEC104 /MODBUS - TCP /MODBUS-RTU
Degree of Protection	IP 54
Cooling Method	Air Cooled/Liquid Cooled
Fire Fighting System	Heptafluoropropane/Perfluorohexanone Gas Fire System/Water Fire
Operating Temperature	- 25 °C~ 55 °C
Relative Humidity	5~ 95 %RH, No Condensation
Noise	< 65dB
Working Altitude	2000 m (Beyond Need To Derate Use)
Degree of Protection	IP54
Cabinet Size (width*Height*Depth)	1200mm * 2300mm * 1000mm
Cabinet Weight	≤ 2.5 t

DC Side Parameters

Cell Type	Lithium Iron Phosphate 3.2 V/ 280Ah
Module Parameters	51.2V/280Ah
Number of Modules	15
DC Side Rated Voltage	768 V
Voltage Range	660V~ 876V
Balanced Way	Active

AC Side Parameters

Rated Current	144A
Rated Voltage	AC 400V
Voltage Range	304-437V
Access Method	Three-phase three-wire/Three-Phase Five-Wire
Isolation Method	No Isolation
Rated Frequency	50/60HZ
Overload Capacity	110%-10min , 120%-1min
Power Factor	> 0.99