

Marble

Communication Integrated Power Cabinet Marble Series
Marble 150A-S1 Marble 600A-S1



ZONERGY



The Photovoltaic MPPT controller and the mains rectifier are installed in a module. Photovoltaic supports a capacity range of 5 kW to 30 kW, and mains rectifier supports a capacity range of 5-15 kW in expansion design.



The product can be used to manage solar energy, wind energy, mains power AC, fuel generator AC, battery and other energy sources at the same time.



The product has protection against over-voltage, over-current, over temperature, under-voltage, and short circuit.



The product has BMS integrated to perform battery reverse connection protection, anti-reverse charging protection and battery over-discharge protection.



With one RS232, one RS485 and one CAN communication port respectively, it can adapt to a variety of communication modes.



With outdoor IP54 protection, multiple safety control and lightning protection, the product is easily adaptable to harsh environments such as high altitude and ultra-low temperature.

Marble 150A-S1~Marble 600A-S1
Technical parameters

Technical parameters:	Marble 150A-S1	Marble 200A-S1	Marble 300A-S1	Marble 400A-S1	Marble 600A-S1
Photovoltaic input					
Input rated voltage	1102 V				
Input voltage range	60 V-150 V				
Maximum input voltage	150 V				
Input over-voltage protection point	156 V				
Input over-voltage recovery point	145 V				
Efficiency	≥95%				
Rated photovoltaic output current	150 A	200 A	300 A	400 A	600 A
Mains input					
Input rated voltage	380 VAC				
Input voltage frequency	50 Hz/ 60 Hz				
Rated input current	39 A				
Rated output current	150 A. The maximum current supported is 300 A.				
Efficiency	≥95%				
Parameters of the battery					
Battery rated voltage	48 V				
Battery voltage range	43 V-58 V				
Protection voltage	59 V				
Other parameters					
Cabinet dimension (mm)	600*600*2000				
Cabinet weight (kg)	130				
Service temperature (°C)	-20~55				
Application altitude (m)	≤3000; Rating reduction shall be observed according to relevant standard when the application altitude rises above 3000 m.				
Protection	Automatic protections for over-voltage, over-current, under-voltage, short-circuit and over-temperature are available. Moreover, automatic recovery is also available for over-voltage, over-current, under-voltage and over-temperature protection. Additionally, battery reverse connection protection, anti-reverse charging protection, and battery over-discharge protection are also available.				
Certification	Inspection Report issued by CTTL				

