

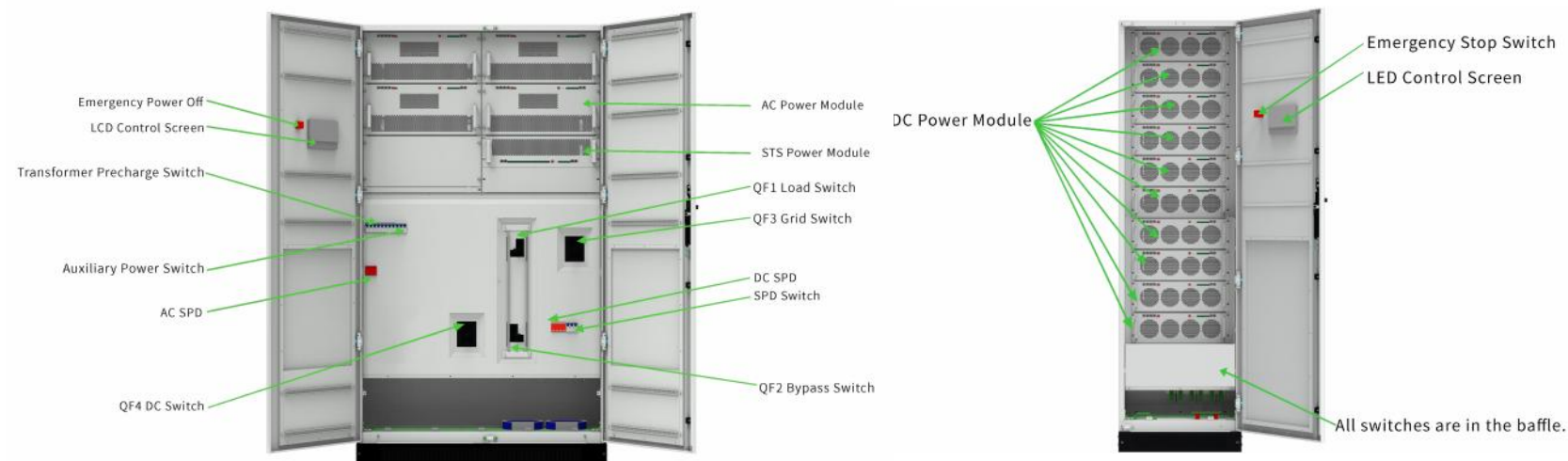
OUTDOOR CABINET
ENERGY STORAGE SYSTEM

500KW 1075KWH

Outdoor energy storage cabinet integrates energy storage battery, modular PCs, energy management monitoring system, power distribution system, environmental control system and fire control system. Adopting modularized PCS, it is easy to maintain and expand capacity, and the outdoor cabinet adopts front maintenance, which can reduce the footprint and maintenance access, and is characterized by safety and reliability, rapid deployment, low cost,high energy efficiency and intelligent management.



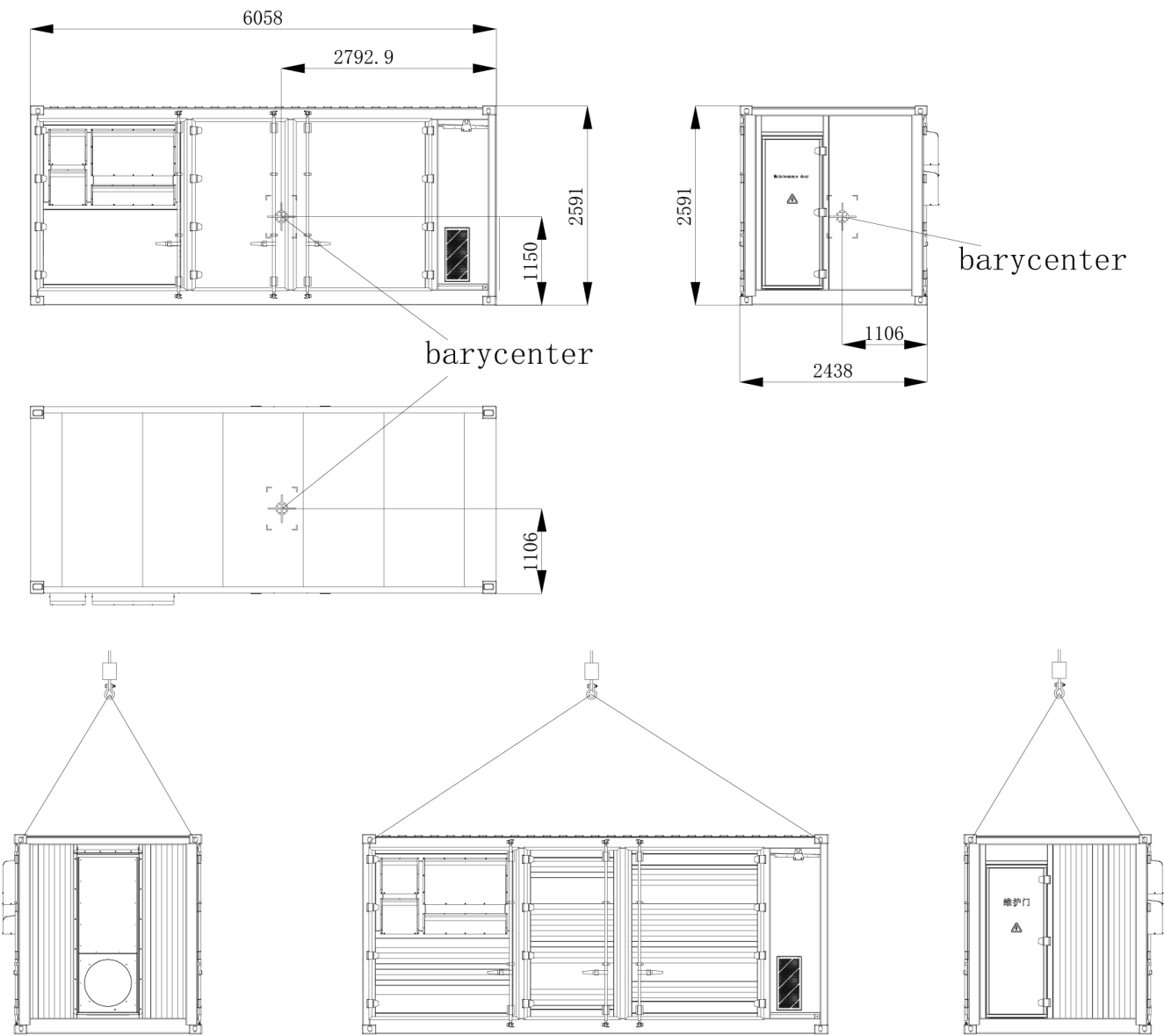
PRODUCT DESCRIPTION



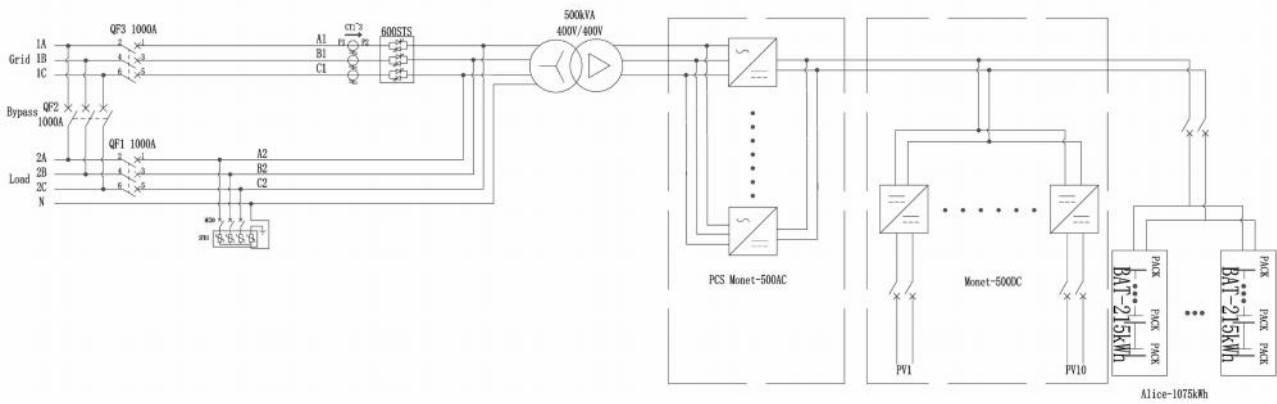
PERFORMANCE PARAMETER

Model	SWMonet-50C
Battery Rated Energy Storage Capacity	1075kWh
System Rated Voltage	768V
System Voltage Range	672V~864V
PV Voltage Range	315~500V（MPPT）
PV Maximum Current	160A
PV MPPT Path Number	10
Battery Type	Lithium iron phosphate battery(LFP)
Battery Pack Series and Parallel Connection	5P*20S*12S
Maximum Charge and Discharge Current	800A
Rated AC Power	500kW
Rated AC Current	721A
Rated AC Voltage	400V，3W+N+PE
Rated AC Frequency	50Hz
Current Total Harmonic Distortion Rate THDI	<5%(rated power)
Power Factor	-1 lead ~ +1 lag
Voltage Total Harmonic Distortion THDU	<3%(linear load)
Degree of Protection	IP54
Protection Level	/
Isolation Method	Transformer isolation
Power Consumption During Shutdown	<0.1%Rated power(without transformer)
Show	Touch LCD touch screen
Relative Humidity	0~95%(no condensation)
Noise	< 78dB
Ambient Temperature	-25℃~60℃(Derating above 45℃)
Cooling Method	Intelligent air Cooling
Altitude	2000m(>2000m derating)
BMS Communication	CAN
EMS Communication	Ethernet/485
Dimensions(W*D*H)	6058mm*2438mm*2591mm
Weight(approx.)	17000kg
Battery System	
Battery Type	Lithium iron phosphate battery(LFP)
Nominal Voltage	3.2V
Voltage Range	2.8V~3.6V
Nominal Capacity	280Ah
Maximum Operating Temperature Range(charging)	0~50℃
Maximum Operating Temperature Range(discharging)	-10~50℃
Cell Series and Parallel Connection	1P20S
Rated Energy	17.92kWh
Nominal Voltage	64V
Voltage Range	56V~72V
Weight(approx.)	139kg
Overall dimensions(W*D*H)	460*882*263mm
Rated Energy Storage	215kWh
System Rated Voltage	768V
System Voltage Range	672V~864V
Series and Parallel Mode	1P*20S*12S
Number of Electrical Boxes Included	12
Weight(approx.)	1680kg

ENERGY STORAGE CONVERTER



ELECTRICAL WIRING DIAGRAM



PRODUCT DETAILS AND CASES

