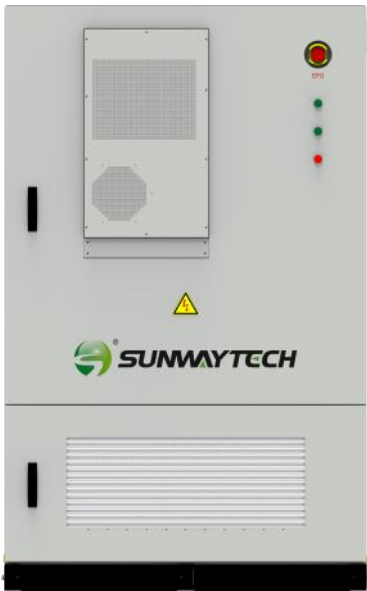


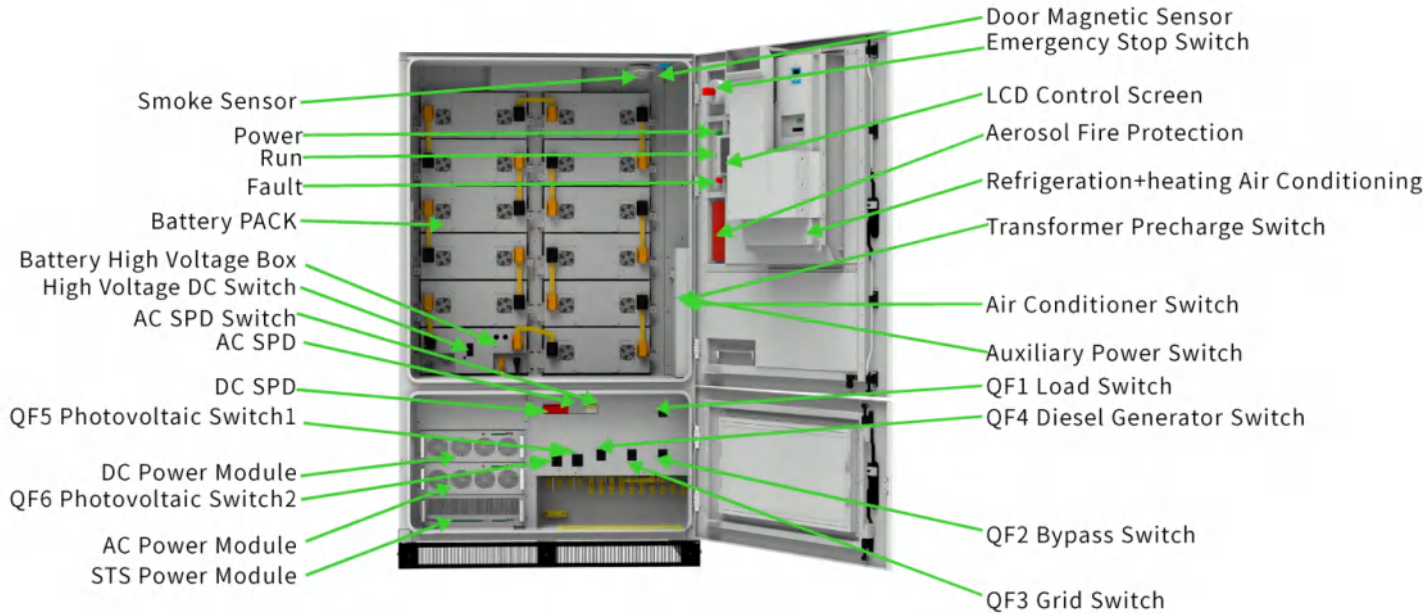
OUTDOOR CABINET ENERGY STORAGE SYSTEM

50KW 100KWH

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.



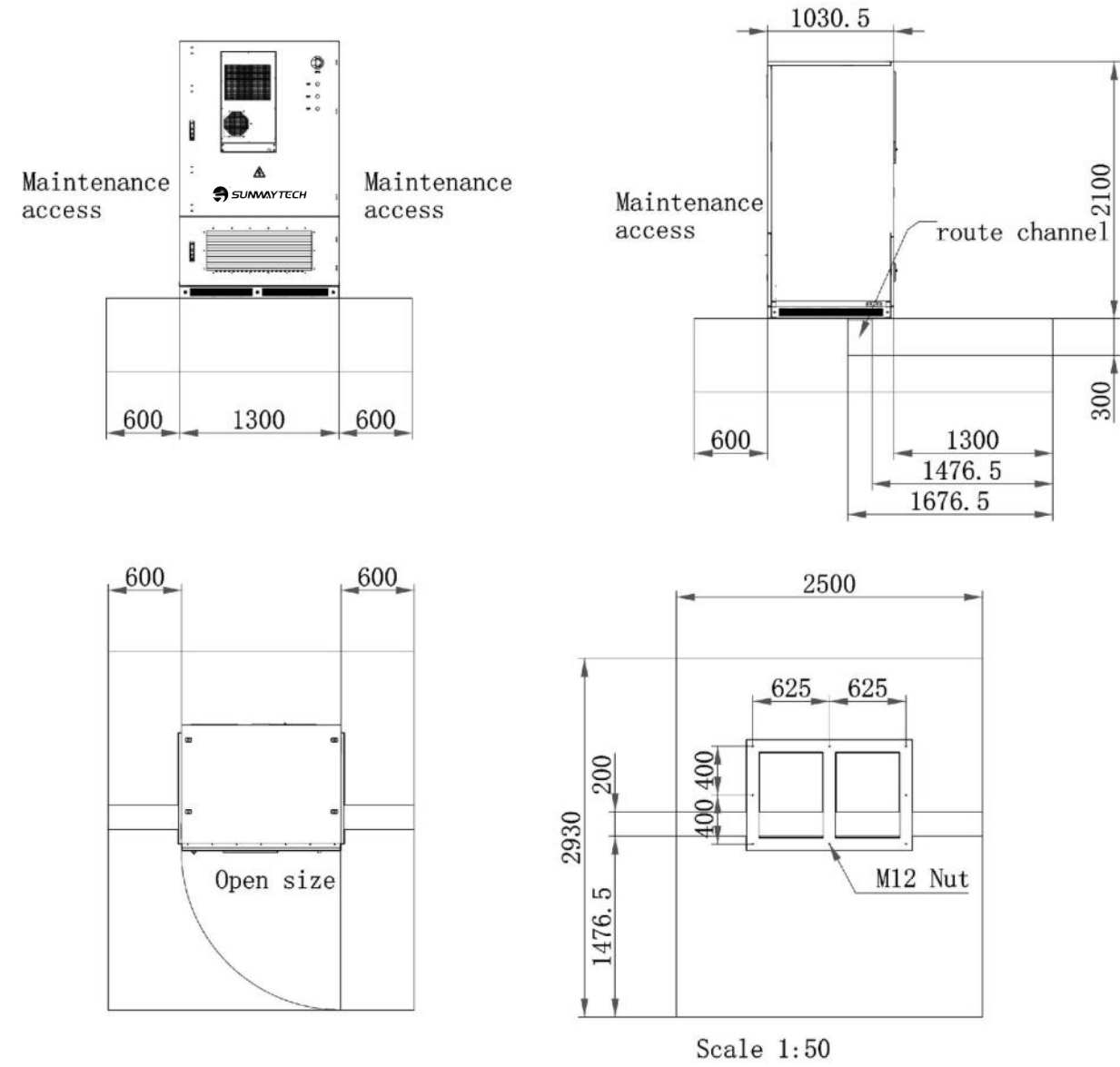
PRODUCT DESCRIPTION



PERFORMANCE PARAMETER

Energy Storage System		SWMonet-50C
Battery Rated Energy Storage Capacity		100kWh
System Rated Voltage		844.8V
System Voltage Range		739V~950.4V
PV Voltage Range		250~600V（MPPT）
PV Maximum Current		160A
PV MPPT Path Number		2
Battery Type		Lithium iron phosphate battery(LFP)
Battery Pack Series and Parallel Connection		1P*24S*11S
Maximum Charge and Discharge Current		120A
Rated AC Power		50kW
Rated AC Current		72A
Rated AC Voltage		400V，3W+N+PE
Rated AC Frequency		50Hz
Current Total Harmonic Distortion Rate THDI		<3%(rated power)
Power Factor		-1 lead ~ +1 lag
Voltage Total Harmonic Distortion THDU		<3%(linear load)
Degree of Protection		IP55
Protection Level		/
Isolation Method		Transformer isolation
Power Consumption During Shutdown		<100W(without transformer)
Show		Touch LCD touch screen
Relative Humidity		0~95%(no condensation)
Noise		<78dB
Ambient Temperature		-25°C~60°C(Derating above 45°C)
Cooling Method		Intelligent air Cooling
Altitude		2000m(>2000m derating)
BMS Communication		CAN
EMS Communication		Ethernet/485
Dimensions(W*D*H)		1300*1000*2100mm
Weight(approx.)		2000kg
Battery System		
Battery Type		Lithium iron phosphate battery(LFP)
Nominal Voltage		3.2V
Voltage Range		2.8V~3.6V
Nominal Capacity		120Ah
Maximum Operating Temperature Range(charging)		0~45°C
Maximum Operating Temperature Range(discharging)		-10~50°C
Cell Series and Parallel Connection		1P24S
Rated Energy		9.216kWh
Nominal Voltage		76.8V
Voltage Range		60V~87.6V
Weight(approx.)		85kg
Overall dimensions(W*D*H)		527*676*202mm
Rated Energy Storage		100kWh
System Rated Voltage		844.8V
System Voltage Range		739V~950.4V
Series and Parallel Mode		1P*24S*11S
Number of Electrical Boxes Included		11
Weight(approx.)		935kg

BASE REFERENCE DIAGRAM



PRODUCT DETAILS AND CASES



ELECTRICAL WIRING DIAGRAM

