

Outdoor Cabinet Energy Storage System

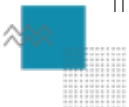
83kWh / 100kWh / 215kWh



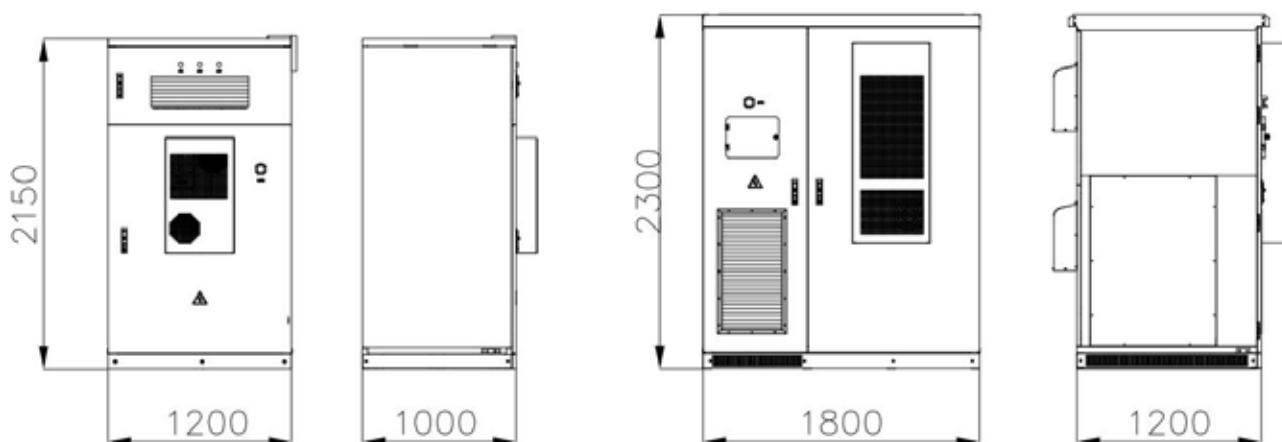
Integration Product : power module, battery, refrigeration, fire protection, dynamic environment monitoring and energy management in one. It is suitable for microgrid scenarios such as small-scale commercial and industrial energy storage, photovoltaic diesel storage, and photovoltaic storage and charging. The local control screen can perform a variety of functions, such as monitoring system operation, formulating energy management strategies, and upgrading remote equipment.

Product Features:

- Standardized structure design, menu-type function configuration, photovoltaic charging module, parallel off-grid switching module, power frequency transformer and other components can be selected for microgrid and other scenarios, and integrated photovoltaic storage integration system cabinet;
- With the patented technology of virtual synchronous machine features, it can realize the function of multiple remote free parallels without communication lines and off-grid switching;
- Patented outdoor cabinet protection design, optimized heat dissipation air duct, protection against sand, dust and rain; The front and rear sides are open for maintenance, which is convenient for the layout of multiple systems side by side on site and reduces the space;
- Space-saving: using door-mounted embedded integrated air conditioners can save space in the cabinet by not occupying any space, improving the available space, enhancing the top structural integrity, and achieving good waterproof effect.



Outdoor Cabinet ESS



PERFORMANCE SPECIFICATIONS

	50kW/100kWh	100kW/215kWh	50kW/83kWh	100kW/215kWh
Model	50(100kwh)	100(215kwh)	50TS(DC50)(83kwh)	100TS(DC100)(215kwh)
Max. PV input power	/	/	50kW	100kW
Max. PV input voltage	/	/	620V	680V
STS	/	/	STS optional	STS optional
Transformer	/	/	Transformer inside	Transformer inside
Battery(DC)				
Rated battery capacity	100kWh	215kwh	83kWh	215kwh
Rated system voltage	844.8V	768V	691.2V	768V
Battery type	Lithium iron phosphate battery (LFP)			
Battery Cell capacity	120Ah	280Ah	120Ah	280Ah
Series of battery	1P*24S*11S	1P*20S*12S	1P*24S*9S	1P*20S*12S
AC				
Rated AC power	50kW	100kW	50KW	100kW
Rated AC current	72A	144A	72A	144A
Rated AC voltage	400V,3P+N+PE,50/60Hz			
THDi	<3%(rated power)			
PF	-1 leading to+1 lagging			
General Parameters				
Protection level	IP55			
Isolation mode	Non-Isolation (Adding isolation transformer is optional)			
Operating temperature	-25~60°C(Derating above 45°C)			
Altitude	3000m(> 3000m derating)			
Communication interface	RS485/CAN 2.0/ Ethernet/dry contact			
Dimension(W*D*H)	1200*1000*2150mm	1800*1200*2300mm	1400*1000*2300mm	1800*1200*2300mm
Weight (with battery)	1200kg	2400kg	1750kg	3000kg

Note: Above models are typical configurations. PV charging (DC/DC) module, On/of-grid switching module, industrial isolation transformer and other components can also be selected for micro-grid scenarios, to form Solar ESS integrated system cabinet.

