

# Outdoor Cabinet Energy Storage System

83kWh/100kWh/215kWh

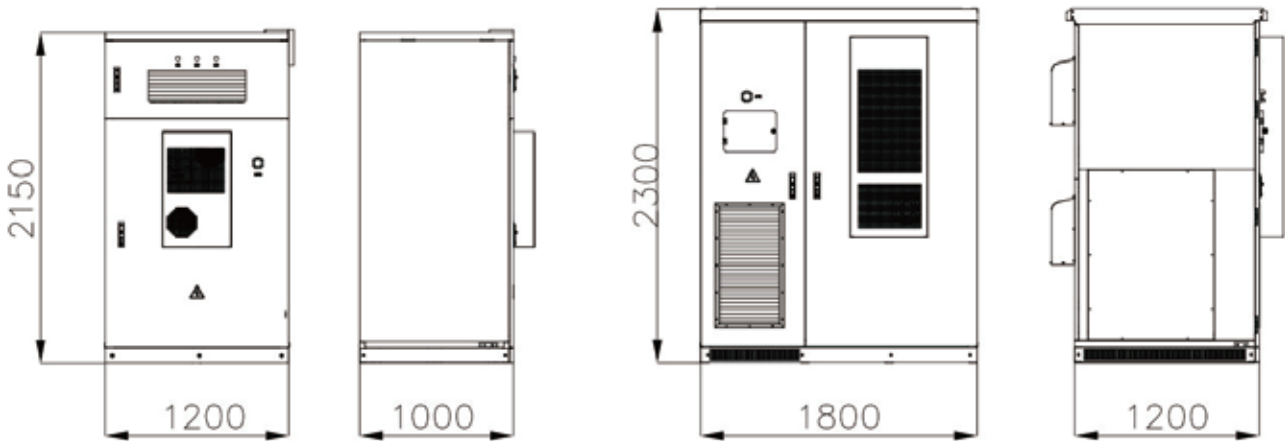


Integration Product : power module, battery, refrigeration, fire protection, dynamic environment monitoring and energy management in one. It is suitable for microgrid scenarios such as small-scale commercial and industrial energy storage, photovoltaic diesel storage, and photovoltaic storage and charging. 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, a 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, and 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 a good waterproof effect.





## 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
<b>Battery(DC)</b>				
Rated battery capacity	100kWh	215kWh	83kWh	215kWh
Rated system voltage	844.8V	768V	691.2V	768V
Battery type	LFP battery			
Battery Cell capacity	120Ah	280Ah	120Ah	280Ah
Series of battery	1P*24S*11S	1P*20S*12S	1P*24S*9S	1P*20S*12S
<b>AC</b>				
Rated AC power	50kW	100kW	50kW	100kW
Rated AC current	72A	144A	72A	144A
Rated AC voltage	400V,3P+PE	400V,3P+N+PE,50/60Hz	400V,3P+N+PE	
THDi	<3%(rated power)			
PF	-1(leading)~ +1(lagging)			
<b>General Parameters</b>				
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/off-grid switching module, industrial isolation transformer and other components can also be selected for micro-grid scenarios, to form Solar ESS integrated system cabinet.

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