

# OUTDOOR CABINET ENERGY STORAGE SYSTEM



## PERFORMANCE CHARACTERISTICS

### highly integration



- System productization, integrating energy storage batteries, PCS and distribution, temperature control and fire protection, water immersed door magnets, and monitoring communication, comprehensively controlling the operation status and risks of the system

### Excellent protection



- Patented outdoor cabinet protection design, optimized heat dissipation ducts, and protection against sand, dust, and rainwater; Maintenance of front and rear door openings facilitates the parallel arrangement of multiple systems on site, reducing footprint

### Space saving



- The use of door mounted embedded integrated air conditioning does not occupy cabinet space, improving the available space of the cabinet. The integrity of the top structure is better, and the waterproof effect is good

### Flexible parallel operation



- Patented technology with virtual synchronous machine features, capable of achieving long-distance free parallel operation and off network switching of multiple machines without communication lines

### Diverse functions



- Standardized structural design, menu style functional configuration, optional photovoltaic charging module, parallel and off grid switching module, power frequency transformer and other components for microgrid and other scenarios, integrated with integrated photovoltaic storage system cabinet

### Intelligent management



- The local control screen can achieve diverse functions such as system operation monitoring energy management strategy formulation, and equipment process upgrading.

MODEL	50KW/100KWh	100KW /215KWh
<b>Battery parameters</b>		
Rated energy storage capacity of the battery	100kwh	215kwh
System rated voltage	665.6V	768V
Battery Type	Lithium iron phosphate battery (LFP)	
Battery capacity	150Ah	280Ah
Battery series-parallel connection	1P*16S*13S	1P*20S*12S
<b>AC PARAMETERS</b>		
Rated AC power	50KW	100KW
Rated AC current	72A	144A
Rated AC voltage	400V,3P+N+PE,50HZ	
Total current harmonic distortion (THD)	<3%(RATED POWER)	
Power factor adjustable range	-1 LEAD~+1 LAG	
<b>GENERAL</b>		
Protection grade	IP54	
Fire Protection System	SOL/PERFLUOROHEXANE/HEPTAFLUOROPROPANE	
Isolation method	NOT ISOLATED (OPTIONAL TRANSFORMER)	
Operation temperature	-25-60 °C (DERATING ABOVE 45 °C)	
Altitude	3000M (>3000M DERATING)	
Communication Interface	RS485/CAN2.0/ETHERNET/DRY CONTACT	
Size (W * D * H)	1200*1000*2150mm	1800*1200*2300mm
Weight (including battery)	1750kg	2400kg