

# 08 | Air-cooling Energy Storage Cabinet Solutions

## • Product Features and Advantages

Providing products as OEM/ODM

• **Efficient Conversion**

High energy density, can support battery transportation.

• **Smart and Friendly**

Real-time status monitoring and fault recording.  
Multi-energy complementation of solar, storage, diesel-generator, and grid power, utilizing resources reasonably

• **Safe and Reliable**

Multi-level battery protection system, ensuring impeccable safety.  
With grid power supply and backup power supply interface to ensure uninterrupted important loads

• **Flexible Configuration**

Equipped with device black start function, it can quickly establish voltage support and integrate multiple MPPT channels with multiple photovoltaic interfaces



Model	SE215A-100K	SE100A-50K
PV		
Maximum input power	156kW	75kW
maximum input voltage	1100V	1000V
MPPT operating voltage range/Rated voltage	180-800V/550V	180-900V/610V
Maximum input current	32/32A	36/36/36/36A
maximum short circuit current	40/40A	40/40/40/40A
MPPT quantity	2	4
MPPT input string count	5/5	2/2/2/2
Battery Side		
Cell Specification	LFP 3.2V/280Ah	
Battery RACK Configuration	1P240S	1P112S
System capacity	215.04kWh	100.352kWh
Voltage range	648-864V	302.4-403.2V
Nominal Voltage	768V	358.4V
Cycle Life	8000	
Ac grid connection side		
Rated Power	100kW	50kW
Allowable Grid Voltage Range	400V(340-436V)	
Way of Connection	3P+N+PE	
Allowable Grid Frequency Range	50/60Hz±2.5Hz	
Maximum current output	167A	79A
Ac off-network side		
AC Rated Power	100kW	50kW
Allowable Grid Voltage Range	380V/400V	
Way of Connection	3P+N+PE	
Allowable Grid Frequency Range	50/60	
Maximum current output	167A	79A
Off-grid switching time	<20ms	<10ms
System Parameter		
Dimension(W*D*H)	2050*1490*2180mm	1350*1300*2210mm
Including airconditioning and hybrid inverter		
Weight	2600kg	1600kg
System Efficiency	>88%	
Environmental Temperature	-20~55℃	
Humidity	≤95%	
Cooling method	Air cooling	
Maximum working altitude	2000m	
Fire safety configuration	Aerosol	
Communication Interface	Ethernet/CAN/RS485	
Compliant with standards	GB/T 34120, GB/T 36276, IEC62477, IEC62619, IEC63056	



CE UN38.3

IEC61000 IEC62477  
IEC62619 IEC63056

This product sheet is as comprehensive and detailed as possible based on existing information.  
The company reserves the right to modify data, parameters and other information.