



# ESS215F

ESS215F features a single-cabinet capacity of 215 kWh and adopts a highly integrated design to enable efficient coordination of power generation, energy storage, and load management. Supports project-specific customization, allowing it to flexibly adapt to a wide range of commercial and industrial energy storage applications.



## Features And Advantages



### All-in-one design

Integrated EMS, PCS, MPPT and BMS; Supporting PV access, on-grid to off-grid switching, covering the whole scenario of photovoltaic, storage and diesel generator.



### Ultimate security

Aerosol fire suppression systems for battery packs and systems ; Intelligent BMS active balancing provides complete protection.



### Flexible Expansion

Support expansion a maximum capacity of 2.58MWh; Reserved DC expansion interface and support AC expansion.



### Smart control

Self-developed EMS energy management system and Cloud platform, support remote monitoring and O&M.

## Specification

Model	ESS200F	ESS215F
<b>Battery</b>		
Battery Type	LiFePO4	
Battery Capacity	280Ah	
Rated Current	140A	
Max.Current	170A	
PACK Configuration	1P16S*14	1P16S*15
Voltage Range	627.2~806.4Vdc	672~864Vdc
Nominal Capacity	200kWh	215kWh
<b>AC (On-grid)</b>		
Rated Power	105kW	
AC Maximum Current	170A	
AC Rated Voltage	400Vac	
Wiring Method	3/N, 220v/380v; 3/N, 230v/400v	
Frequency	50Hz/60Hz	
Power Factor	1(Leading)~1(Lagging)	
THDi	≤3% (Rated power)	
Max. Number Of Parallel Expansions	12	
<b>AC (Off-grid)</b>		
Rated Power	105kVA	
AC Rated Voltage	400Vac	
AC Maximum Current	170A	
Wiring Method	3/N, 220v/380v 3/N, 230v/400v	
Frequency	50Hz/60Hz	
Unbalanced Load	1	
THDv	< 3% (Liner load)	
Max. Number Of Parallel Expansions	5	
<b>PV (Optional)</b>		
Max. Input Power	50kW*3	
Max. Input Current	110A*3	
Short-circuit Current	160A	
Max. Voltage	620Vdc	670Vdc
Input Voltage Range	200~620Vdc	200~670Vdc
Start-up Voltage	250Vdc	
MPPT Path	3	
<b>System</b>		
Weight	2700kg	2800kg
Dimension (W/D/H)	1780.5*1299*2250mm	
Air Conditioner Power	3kW (Cooling), 1kW (Heating)	
Operating Temperature	-20~50°C(Derating above 45°C)	
Operating Humidity	0~95%RH(Non-condensing)	
Ingress protection	IP55	
Anti-corrosion Grade	C3	
Cooling Method	Air cooling	
Noise	≤70dB	
Elevation	<4000m	
DisplayFire	Touch screen	
Fire Protection	Aerosol fire extinguishing system, water intrusion detection, temperature sensor, smoke sensor, explosion-proof valve	
Communication	Ethernet/4G/RS485/WiFi	