Outdoor Integrated Energy Storage Cabinet

LiFePO₄ Technology - OEM Pack



Applications

• Backup power

Supply power to the load when the power grid is out of power, or use as backup power in off-grid areas.

• Enhance power system stability

Smooth out the intermittent output of renewable energy by storing electricity and dispatching it when needed.

Optimizing the use of renewable energy

Smooth out the intermittent output of renewable energy by storing electricity and dispatching it when needed.

• Peak shaving & Valley filling

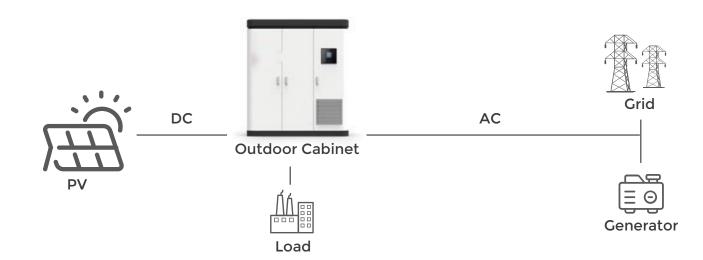
Supply power to the load when the power grid is out of power, or use as backup power in off-grid areas.

Features

- Active balancing, extended service life and reduced maintenance
- String PCS is adopted to improve the battery life cycle and support off-grid/grid-connected/off-grid hybrid modes, etc.
- Instant switching and black starting
- Customization possibility

System Type	Power Cabinet-60	Power Cabinet-115	Power Cabinet-215
System main parameters			
Normal Capacity(kWh)	60	115	215
Rated Power (kW)	30	62.5	100
Local Monitoring	Yes	Yes	Yes
Working Temperature Range (℃)	-20~60	-20~60	-20~60
Fire Protection	Aerosol/perfluorohexadone	Aerosol/perfluorohexadone	Aerosol/perfluorohexadone
Cooling system	Air Conditioner	Air Conditioner	Air Conditioner
Communication Protocol	RS485、4G、CAN	RS485、4G、CAN	RS485、4G、CAN
Protection Class	IP54	IP54	IP54
Humidity	0-95%, Non-condensing	0-95%, Non-condensing	0-95%, Non-condensing
Isolation transformer)	Optional	Optional	Optional
Altitude (m)	3000	3000	3000
PCS Data		DC Parameters	
Voltage Range (Vdc)	200~900	615~900	650~900
		AC Parameters	
Max. Operation Current (A)	50	88	150
Rated Power (kW)	30	60	100
Rated Discharge Voltage (Vac)	400	400	400
Wiring	Three Phase+N+PE	Three Phase+N+PE	Three Phase+N+PE
Max. Discharge Current (A)	43	86	145
Rated Power (Hz)	50	50	50
Battery Data			
Model	51.2 V 100Ah	51.2V 150Ah	51.2V 280Ah
Weight (kg)	44.00	66.00	106.00

^{*}The ESS series range includes but is not limited to the above models! Please contact us for more information.



17 18