

Outdoor Integrated Energy Storage Cabinet

LiFePO₄ Technology – OEM Pack



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 (°C)	-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	51.2V 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.

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

