Indoor and Outdoor Energy Storage Cabinets (Home/Industrial)

Flexible configuration, convenient installation; remote monitoring, real-time attention Seamless switching, multiple modes; advanced protection, safe and worry-free.

Safe and reliable

Highly Integrated

Cost Effective

Intelligent and friendly



Model	LFO20kW50kWh	LFO30kW60kWh
Battery Parameter		
Battery Cell Type	LFP	
Single Module Capacity	10.24kWh	
Layer Pc(s)	5PCS	6PCS
Nominal capacity	51.2kWh	61.4kWh
Nominal Voltage	512V	614.4V
Work Voltage	432-576V	518.4-691.2V
Recommended DOD	80%	
Humidity	20%~60%	
Installation Rack	Rack type	
Communication	CAN/RS485(WIFI,bluetooth is optional and need extra cost)	
Size/Layer	773*560*165mm	
Net Weight/Layer	80kg	
PV Input Parameter		
Max PV Open Circuit	1000VDC	1000VDC
PV Start Voltage	180VDC	180VDC
MPPT Voltage Range	150-850VDC	150-850VDC
PV Input Current	26+26A	36+36+36A
Max PV Input Current	39+39A	55+55+55A
PV input Power	26000W	39000W
AC Output Parameter		
Rated output Current	30A	45A
Rated output Voltage	220/380VAC, 230/400VAC	
Frequency	50Hz/60Hz(Automatic detection)	
Rated Output Power	20000W	30000W
Utility type	three phase	
Max by-pass Current	80A	200A
System Parameter		
Size	1170*1031*1636mm	
IP Class	IP54	
Work Temperature	0~55℃	
Storage Temperature	-20-55℃	
Cooling	Air cooling/natural cooling	
Compliance Specifications		
Certifications	CE,FCC, CCC	
Shipping Classification	UN 38.3, UN 3480, MSDS	

Container Energy Storage (Industrial)

Economical and efficient: peak shaving and valley filling, efficient conversion, deep power supply, and seamless switching

Safe and reliable: real-time monitoring, perfect mechanism, multi-level protection, comprehensive management

Intelligent interaction: multiple modes, intelligent management and control, real-time monitoring, quick response.

Safe and reliable

Cost Effective

Intelligent and friendly



Model	LFC525	LFC1051
Battery Parameter		
Battery Model	3.2V120Ah	3.2V120Ah
System Battery Configuration	228S6P	228S12P
Rated Capacity	525kWh	1051kWh
Voltage Range	616-832V	616-832V
BMS Communication Interface	Ethernet. RS485	
BMS Protocol	Modbus RTU, Modbus TCP	
AC Side Parameter		
Rated Power	250kWh	250kWh
MAX Output	275kWh	275kWh
THID	<3% (At rated power)	
DC Component	<0.5%(At rated power)	
Rated Output Voltage	400V	
Grid Voltage Range	310-450V	
Power Factor	>0.99 (At rated power)	
Adjustable Range of Power Factor	0.9 (Leading) -0.9 (Lagging)	
Rated Grid Frequency	50Hz	
Power Grid Frequency Range	45-55Hz	
Isolation Way	Transformer Isolation	
Off Grid Rated Output Voltage	400V	
Distortion Rate of Off Grid Output Voltage	<3% (Linear Load)	
System Parameter		
Inverter Carton Size	600*900*1500mm	600*900*1500mm
Battery Container Size	600*600*2000mm	600*600*2000mm
Weight of Converter Container	2.8T	2.8T
Weight of battery container (With battery/Without battery)	9.6T/5.0T	(9.6T/5.0T)*2
IP Code	IP54	
Operating Temperature Range	-30~+50℃	
Operating Humidity Range	0~95% (Non-condensing)	
Max Working Altitude	2000m(>2000m Frequency reduction required)	
Battery Temperature Control Mode	Industrial temperature controlled air conditioner	
Inverter Cooling Mode	Temperature controlled forced air cooling	
Fire Alarm System (Battery Container)	FM200	
System Communication Interface	Ethernet,RS485	
System Communication Protocol	Modbus RTU, Modbus TCP, IEC 104	



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