



## The **e**nergy of the future

"Lucid dreaming for clean water and Lush green Mountains  
by Halting excessive CO2 and Promoting Neutrality ! "

# LFP BESS Series



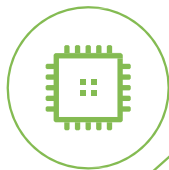
100KW/215Kwh  
200KW/372Kwh

## Battery Energy Storage System



### Efficient integration

1. Intelligent temperature control system, improve system efficiency and battery cycle life
2. With two-way converter, charging with constant current, constant voltage, constant power calibration
3. Reduce the well mismatch loss between battery clusters
4. Avoid systemic risks caused by intercluster circulation



### High precision intelligence

1. Meet smart grid design specifications
2. Electrical isolation, with off-grid function strong grid adaptability
3. Cloud technology, remote maintenance and monitoring
4. Built-in management system, a variety of operation building options, support independent operation function of micro grid, improve income



### High efficiency conversion

1. Ac PCS adopt modular design, convenient installation and maintenance
2. Support parallel operation of multiple PCS AC, and the configuration scheme is more flexible
3. Integrated transport, simple site construction
4. Data interaction and visualization



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# PRODUCT SPECIFICATION

Product model	PLPF0280C0-0768R0A	PLPF0280C0-1331R2A
<b>Battery parameters</b>		
Cell type	3.2V/280Ah	
System series and parallel parameters	1P240S	1P416S
Rated capacity of battery	215.04kWh	372.736kWh
Rated voltage of battery	768V	1331.2V
Battery voltage factor	600~876V	1123.2~1497.6V
<b>Well network output parameters</b>		
Rated output power	100kW	200kW
Maximum output power	110kVA	220kVA
Maximum output current	158A	184A
AC rated voltage	400V	690V
Model diagram of power grid	-15~+10%	
Rated grid frequency	50Hz	
<b>Off grid output parameters</b>		
Rated output power	100kW	200kW
Maximum output power	110kVA	220kVA
Maximum output current	158A	184A
AC rated voltage	400V	690V
Output voltage accuracy	1%	
<b>system parameter</b>		
Container size (width x height x depth)	1500mm*2100mm*1400mm	1600mm*2400mm*1400mm
Isolation method	Transformer isolation (optional)	Transformer isolation (standard configuration)
weight	2.65 T	4.5T
Protection level	IP54	
Corrosion protection level	C3	
Operating temperature range	-30~60 °C (>40 °C derating)	
Degree range	0-95% (without condensation)	
Liquid cooling power	5kw	8kw
Firefighting methods	Aerosol/heptafluoropropylene kang (optional)	Aerosol/perfluorohexadone (optional)
Maximum altitude	4000m (>2000m derating)	
Communication protocol	Modbus-TCP/Modbus-RTU/IEC104	
Communication method	RS485/Ethernet	



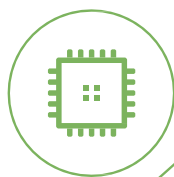


# 500KW/1Mwh / Battery Energy Storage System



## Efficient integration

1. The system is highly integrated integrating battery system, AC system, temperature control system, fire control system, data monitoring system, etc
2. Integrated container energy storage system design, convenient transportation, simple construction, low installation cost



## High precision intelligence

1. Meet smart grid design specifications
2. Integrated local controller, realize unified scheduling management, single machine system can independently carry out peak cutting and valley filling
3. With PO, VF, SVG and other functions, support the independent operation of the power grid
4. Outdoor design, protection level IP54



## High efficiency conversion

1. Intelligent temperature control system, improve system efficiency and battery cycle life
2. With two-way converter, charging with constant current, constant voltage, constant power mode
3. Integrated transport, simple site construction
4. Data interaction and visualization



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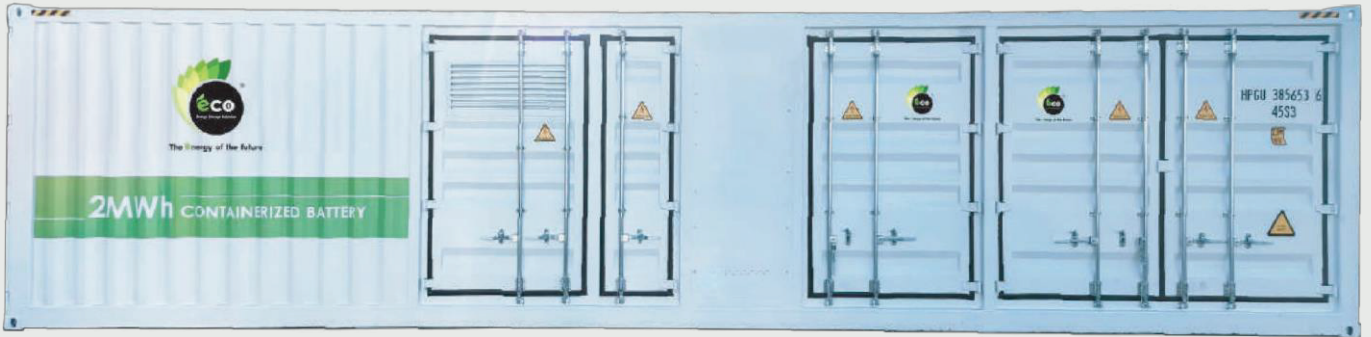


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# PRODUCT SPECIFICATION

Product model		PLPF01400C0-0768R0A
<b>DC Side Parameter</b>		
Cell Type	3.2V/280Ah, LFP	
Battery rated capacity	1000kWh	
Rated battery voltage	716.8V	
Battery voltage range	604.8~806.4V	
<b>Grid-On Output Parameter</b>		
Rated AC power	500kW	
AC overload capability	550kVA	
AC rated voltage	380/400V	
Voltage working range	-15%~15%	
Rated grid frequency	50/60Hz	
Power factor	> 0.99 (-1~1)	
<b>Grid-Off Output Parameter</b>		
Rated output power	500kW	
AC rated voltage	380/400V	
Output voltage accuracy	≤±1%	
<b>Basic parameters of energy storage system</b>		
Dimensions(width*height*length)mm	2600*2896*6058	
Charge and discharge rate	≤0.5C	
weight	16t	
Protection level	IP54	
Anti-corrosion level	C3/C4/C5(optional)	
Operating temperature range	-20~50°C(ultra-low temperature optional)	
Humidity range	0~95%(no condensation)	
cooling method	Air cooling	
fire fighting methods	Aerosol/perfluorohexanone(optional)	
communication method	RS485、Ethernet	
System efficiency	≥85%	



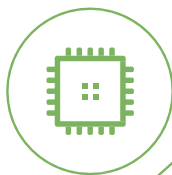


# 1MW/2.15Mwh / Battery Energy Storage System



## Efficient integration

1. The system is highly integrated integrating battery system, AC system, temperature control system, fire control system, data monitoring system, etc
2. Integrated container energy storage system design, convenient transportation, simple construction, low installation cost



## High precision intelligence

1. Meet smart grid design specifications
2. Integrated local controller, realize unified scheduling management, single machine system can independently carry out peak cutting and valley filling
3. With PO, VF, SVG and other functions, support the independent operation of the power grid
4. Outdoor design, protection level IP54



## High efficiency conversion

1. Intelligent temperature control system, improve system efficiency and battery cycle life
2. With two-way converter, charging with constant current, constant voltage, constant power mode
3. Integrated transport, simple site construction
4. Data interaction and visualization



# PRODUCT SPECIFICATION

Product model		PLSF2800C0-768R0A
DC Side Parameter		
Installed capacity	2150.4kWh	
Rated voltage	DC 648V~864V	
DC rated current	1400A	
DC maximum current	1800A	
AC side parameters (grid-connected)		
Communication access method	Three-phase four-wire + ground wire ( 3W+N+PE )	
rated power	1000kW	
Overload capacity	110% : continuous operation; 120 %: not less than 10min	
Rated voltage	400V	
Rated current	1444A	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~55/55~65(configurable)	
Total current waveform distortion (THD)	≤3% (rated power)	
Grid-connected power factor	-1 (leading) ~ +1 (lagging)(configurable)	
Maximum efficiency	97.5%	
AC side parameters (off-grid)		
Rated voltage	400V	
Rated frequency	50Hz/60Hz	
Overload capacity	110% Long-term	
System parameters		
Working temperature	-20°C ~ +50°C	
noise	≤70dB	
cooling method	Air Cooling	
Fire Fighting System	Cluster fire protection, perfluorohexanone fire protection(Optional)	
Protection level	IP54	
Communication Interface	LAN, RS485	
size	L*W*H: 12192*2438*2896mm	
weight	≤42T	



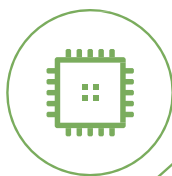


## 3.35Mwh / Battery Energy Storage System



### Efficient integration

1. The system is highly integrated integrating battery system, AC system, temperature control system, fire control system, data monitoring system, etc
2. Integrated container energy storage system design, convenient transportation, simple construction, low installation cost



### High precision intelligence

1. Meet smart grid design specifications
2. Integrated local controller, realize unified scheduling management, single machine system can independently carry out peak cutting and valley filling
3. With PO, VF, SVG and other functions, support the independent operation of the power grid
4. Outdoor design, protection level IP54



### High efficiency conversion

1. Intelligent temperature control system, improve system efficiency and battery cycle life
2. With two-way converter, charging with constant current, constant voltage, constant power mode
3. Integrated transport, simple site construction
4. Data interaction and visualization





# PRODUCT SPECIFICATION

Product model		PLSF2800C0-768R0A
DC parameters		
Cell Type	3.2V/280Ah, LFP	
Rated Battery Capacity	3.345MWh	
Rated Battery Voltage	1331.2V	
Battery Voltage Range	1040~1497.6V	
System Basic Parameters		
Dimension (W*H*L) mm	2600*2896*6500	
Charge/discharge ratio	≤0.5C	
Weight	32t	
Protection Grade	IP54	
Anti-corrosion grade	C3/C4/C5 optional	
Operating temperature range	-20~50 °C (Ultra-low temperature optional)	
Humidity range	0~95%(non-condensing)	
Cooling method	Liquid cooling	
Fire-fighting method	Aerosol/Perfluorohexanone (optional)	
Communication method	RS485、Ethernet	
System efficiency	≥85%	
Battery Pack Parameter		
Rated Voltage	166.4V	
Rated Capacity	280Ah	
Voltage Range	130 ~ 189.8V	
Total Energy	46.5kWh	
Pack Configuration	1P52S	
Available SOC range	0~100%	
Rated Charging Current	140A	
Peak Charging Current	280A	
Rated Discharging Current	140A	
Peak Discharging Current	280A	
Working Temperature	Charging: 0~60°C Discharging: -30~60°C	
Ambient Relative Humidity	5%~95%	
Cooling Method	Liquid cooling	
Dimension	L1148×W810×H243(±3)mm	
Weight	325±5kg	



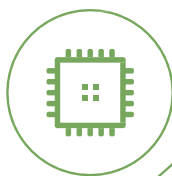


# 6.7Mwh / Battery Energy Storage System



## Efficient integration

1. The system is highly integrated integrating battery system, AC system, temperature control system, fire control system, data monitoring system, etc
2. Integrated container energy storage system design, convenient transportation, simple construction, low installation cost



## High precision intelligence

1. Meet smart grid design specifications
2. Integrated local controller, realize unified scheduling management, single machine system can independently carry out peak cutting and valley filling
3. With PO, VF, SVG and other functions, support the independent operation of the power grid
4. Outdoor design, protection level IP54



## High efficiency conversion

1. Intelligent temperature control system, improve system efficiency and battery cycle life
2. With two-way converter, charging with constant current, constant voltage, constant power mode
3. Integrated transport, simple site construction
4. Data interaction and visualization



# PRODUCT SPECIFICATION

Product model		PLSF5040C0-1332R2A
DC parameters		
Installed Energy	6709.248kWh	
Rated voltage	DC 1164.8V ~1497.6V	
DC rated current	2520A	
DC Maximum Current	3240A	
System parameters		
Discharge depth	≥86% under rated condition	
Operating ambient temperature	-20°C ~ +50°C	
Allowable relative humidity	≤95% without condensation	
Noise	≤70dB	
Cooling mode	Liquid cooling	
Fire-fighting system	Cluster fire protection, perfluorohexanone fire protection(Optional)	
Protection grade	IP54	
Altitude	≤2000 metres, greater than 2000 metres need to derate the use of	
Communication interface	LAN, RS485	
Communication protocol	MODBUSTCP, IEC104	
Module parameters		
Series-parallel connection	1P52S	
Nominal capacity	280Ah	
Nominal voltage	166.4V	
Nominal energy	46592Wh	
Equalisation method	Passive	
Single Cluster Battery System Parameters		
Module Series-Parallel Connection	1P416S	
Nominal Voltage	1331.2V	
Nominal power	372.736kWh	
DC Measurement Battery System Parameters		
Module series-parallel connection method	18P416S	
Nominal voltage	1331.2V	
Nominal power	6709.248kWh	

