



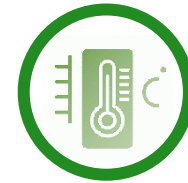
Off-grid Inverter/ Balcony ESS
High-voltage Energy Storage System



UL Standard



5000 Cycle Life



Battery Pack Heating

Product Series

Off-grid Inverter

- 5kW Off-grid Inverter

System

- Energy Storage System
- Balcony Energy Storage System
- Stackable Energy Storage System

Battery

- LiFePO4 Battery (12V, 24V, 48V)
- 5kWh Rack-mounted Battery
- Energy Storage Battery (5kWh, 10kWh, 15kWh)

High Voltage Battery

- High-voltage Rack-mounted Battery
- High-voltage Stackable Battery

12V100Ah LiFePO4 Battery



Specification	
Item	12.8V100Ah LiFePO4 Battery
Nominal Voltage:	12.8V
Nominal Energy:	1280Wh
Charging Voltage	14.4 V
Discharging Cutoff Voltage	11.2V
Standard Charging Current	50A
Maximum Charge Current	100A
Standard Discharging Current	50A
Maximum Discharge Current	100A
Cycle Life	≥5000 cycles
Battery Dimensions	260*168*211mm±2.0
Battery Weight	About 10.9kg
Discharge Temperature	-20~60℃
Storage Temperature	1 month: -30 ~ 55℃ 90%RH Max 6 months: 10 ~ 45℃ 90%RH Max
Heating method (Optional)	Start heating at 5℃ Close at 15℃

24V100Ah LiFePO4 Battery



Specification	
Item	25.6V100Ah LiFePO4 Battery
Nominal Voltage:	25.6V
Nominal Energy:	2560Wh
Charging Voltage	28.8 V
Discharging Cutoff Voltage	22.4V
Standard Charging Current	50A
Maximum Charge Current	100A
Standard Discharging Current	50A
Maximum Discharge Current	100A
Cycle Life	≥5000 cycles
Battery Dimensions	532*207*215mm±2.0
Battery Weight	About 22.0kg
Discharge Temperature	-20~60℃
Storage Temperature	1 month: -30 ~ 55℃ 90%RH Max 6 months: 10 ~ 45℃ 90%RH Max
Heating method (Optional)	Start heating at 5℃ Close at 15℃

5kWh LiFePO4 Battery



Specification	
Item	51.2V100Ah LiFePO4 Battery
Nominal Voltage:	51.2V
Nominal Energy:	5120Wh
Charging Voltage	57.6 V
Discharging Cutoff Voltage	44.8V
Standard Charging Current	20A
Maximum Charge Current	100A
Standard Discharging Current	50A
Maximum Discharge Current	100A
Cycle Life	≥5000 cycles
Battery Dimensions	450*452*133mm±2.0
Battery Weight	About 45.0kg
Discharge Temperature	-20~65℃
Storage Temperature	1 month: -30 ~ 55℃ 90%RH Max 6 months: 10 ~ 45℃ 90%RH Max
Heating method (Optional)	Start heating at 5℃ Close at 15℃
Communication Ports	RS485/ RS232/ CAN

10kWh LiFePO4 Battery



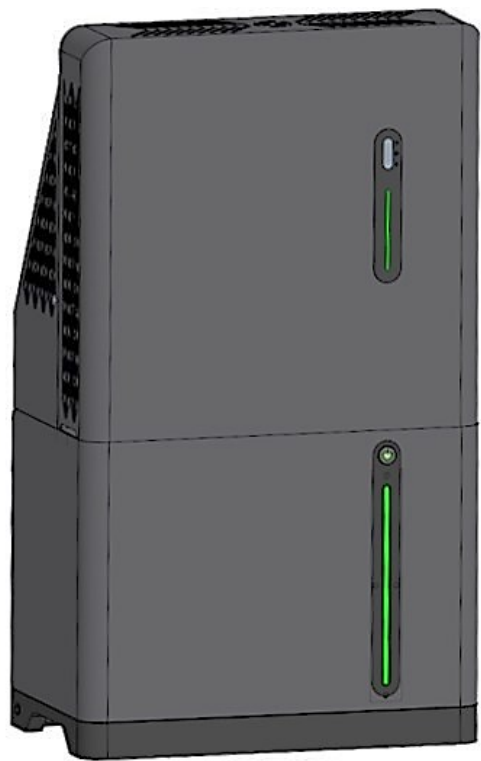
Specification	
Item	51.2V200Ah LiFePO4 Battery
Nominal Voltage:	51.2V
Nominal Energy:	10240Wh
Charging Voltage	57.6 V
Discharging Cutoff Voltage	44.8V
Standard Charging Current	100A
Maximum Charge Current	150A
Standard Discharging Current	100A
Maximum Discharge Current	150A
Cycle Life	≥5000 cycles
Battery Dimensions	560*172*850mm±2.0
Battery Weight	About 99.0kg
Discharge Temperature	-20~60°C
Storage Temperature	1 month: -30 ~ 55°C 90% RH Max 6 months: 10 ~ 45°C 90% RH Max
Heating method (Optional)	Start heating at 5°C Close at 15°C
Communication Ports	RS485/ RS232/ CAN

15kWh LiFePO4 Battery



Specification	
Item	51.2V280Ah LiFePO4 Battery
Nominal Voltage:	51.2V
Nominal Energy:	14336Wh
Charging Voltage	57.6 V
Discharging Cutoff Voltage	44.8V
Standard Charging Current	100A
Maximum Charge Current	200A
Standard Discharging Current	100A
Maximum Discharge Current	200A
Cycle Life	≥5000 cycles
Battery Dimensions	690*300*797mm±2.0
Battery Weight	About 145kg
Discharge Temperature	-20~60℃
Storage Temperature	1 month: -30 ~ 55℃ 90%RH Max 6 months: 10 ~ 45℃ 90%RH Max
Heating method (Optional)	Start heating at 5℃ Close at 15℃
Communication Ports	RS485/ RS232/ CAN

1.2kW&2.5kWh Balcony ESS



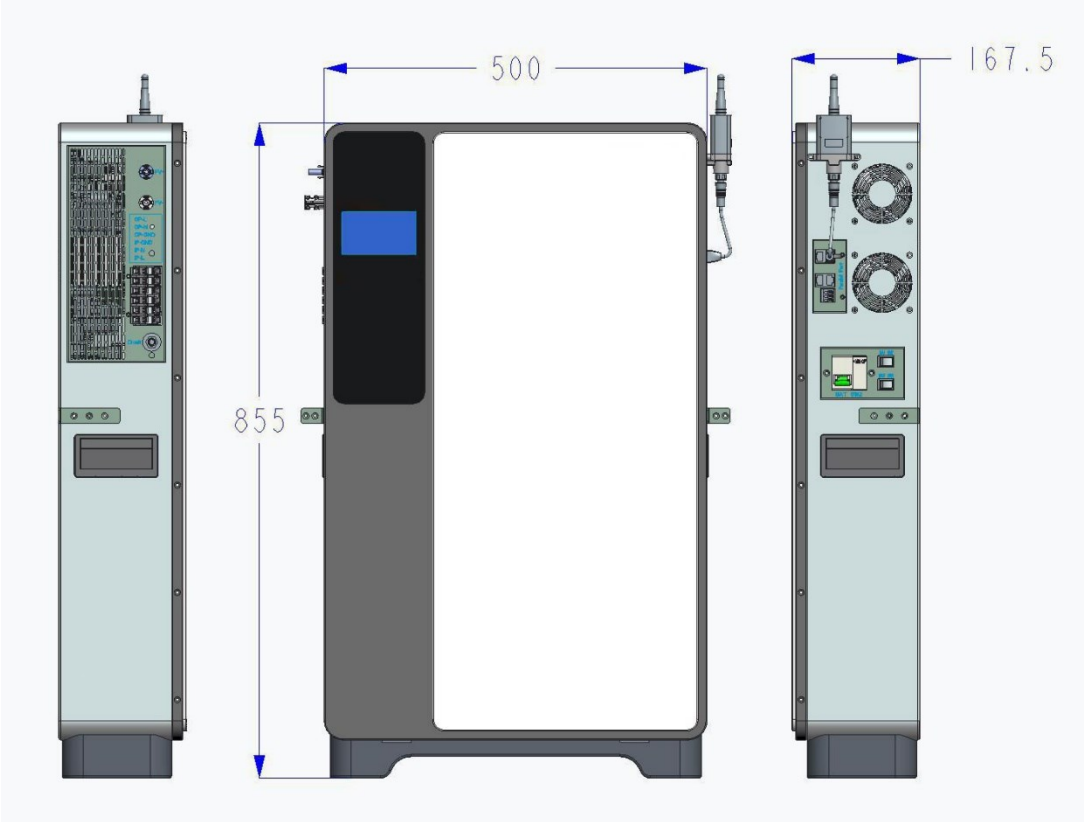
Specification	
Battery Parameters	
Battery Type	LFP
Rated Voltage And Power	51.2V/2.5KWH
Nominal Input/output Voltage Range	40-60VDC
Maximum Continuous Discharge Power	1200VA
Maximum Charge Power	2400VA
Inverter Parameters	
PV Input	
Maximum Input Power	600W×2
MPPT Voltage Range	12V-48V
Maximum Input Continuous Current	17A×2
AC Input And Output (on-grid Port)	
Grid Type	Single-phase
Nominal AC Voltage And Frequency	230V /50HZ
Default Output Apparent Power	800VA
Maximum Input And Output Continuous Power	1200VA
AC Input And Output (off-grid Port)	
Grid Type	Single-phase
Nominal AC Voltage And Frequency	230V /50HZ
Maximum Output Continuous Power	1200VA
Maximum Input Continuous Power	2400VA

1kW&2kWh ESS



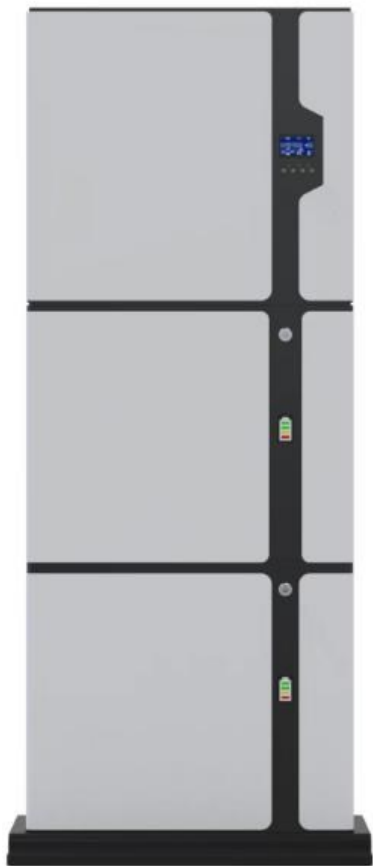
Specification	
Item	Off-grid ESS
AC Output Voltage	200~240VAC ±5%
AC Output Power	1000 or 2000W
PV Input Voltage Range	Max. 80V for 24V System
PV Input Power	Max. 720W for 24V System
AC Input Voltage	145-265VAC
AC Input Power	1000/ 2000W
Battery Voltage	25.6V
Max Charging Current	100A
Max Discharging Current	100A
Cycle Life	≥5000 cycles
Cell Type	LFP
Operating Temperature	-15 °C to +50 °C
Size	560*260*515mm
Weight	About 49kg/ 78kg
Storage Temperature	1 month: -30 ~ 55°C 90%RH Max 6 months: 10 ~ 45°C 90%RH Max

5kW&5kWh ESS



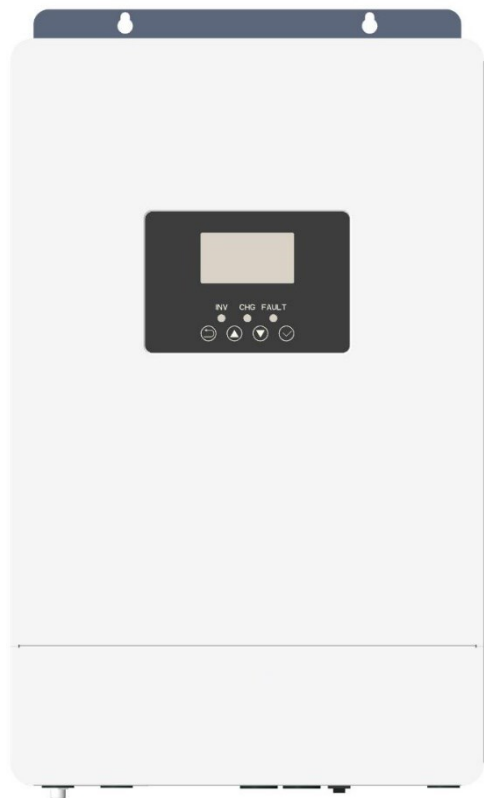
Specification	
Item	Off-grid 5kW&5kWh ESS
AC Output Voltage	220/230V 50/60Hz
AC Output Power	5000W
PV Input Voltage Range	140V-480V
PV Input Power	6000W
AC Input Voltage	90-300V
AC Input Power	5.5kW
Battery Voltage	51.2V
Max Charging Current	80A
Max Discharging Current	120A
Cycle Life	≥5000 cycles
Cell Type	LFP
Operating Temperature	-20°C-55°C
Size	855*500*168mm
Weight	About 61kg
Storage Temperature	1 month: -30 ~ 55°C 90%RH Max 6 months: 10 ~ 45°C 90%RH Max

5kW&10kWh Stackable ESS



Specification	
Item	Off-grid 5kW&10kWh ESS
AC Output Voltage	220/230Vac 50/60Hz
AC Output Power	5500W
PV Input Voltage Range	120~500 Vdc
PV Input Power	6000W Max.
AC Input Voltage	220/230Vac
AC Input Power	5000W
Battery Voltage	51.2V
Max Charging Current	100A
Max Discharging Current	100A
Cycle Life	≥5000 cycles
Cell Type	LFP
Operating Temperature	10°C ~ 55°C
Size	603*200*1580mm±5.0
Weight	About 150.0kg
Storage Temperature	1 month: -30 ~ 55°C 90%RH Max 6 months: 10 ~ 45°C 90%RH Max

5kW Off-grid Inverter



Specification	
Item	Off-grid Inverter
AC Output Voltage	220~240VAC, 50Hz/60Hz
AC Output Power	5500W
PV Input Voltage Range	120~450VDC
PV Input Power	6000W
AC Input Voltage	100~270VAC
AC Input Power	5500W
Battery Voltage	48Vdc
Max Charging Duration Current	80A
Max Discharging Duration Current	100A
Cell Type	LFP
Operating Temperature	-10°C ~ 50°C, 5~95% RH
Size	509*310*118±2mm
Weight	10±0.2kg

High-voltage 51.2kWh Rack-mounted Battery



Specification	
Item	High-voltage 51.2kWh Rack-mounted Battery
Pack configuration	160S1P
Cell Model	3.2V100Ah
Charge Voltage	584V (3.65V/Cell)
Discharge cut-off Voltage	400V (2.5V/Cell)
Nominal Voltage	512V (3.2V/Cell)
Nominal Capacity	100Ah @ 0.5C discharge
Nominal Energy	5.12KWh @ 0.5C discharge
Max Charge Current	100A
Max Cont. Discharge Current	100A (Peak: 200A 10S)
Standard Charge	0.5C constant current charge to 584V, then 584V constant voltage charge until the charging current drops to 0.05C
Standard Discharge	1C constant current discharge to 400V
Weight	43Kg
Communication protocol	CAN, RS485
Number of cycles	≥4000 (1C/80%SOH)
Shipment Voltage	510~530V
Operating Temperature	Charge: 0° C~55° C; Discharge: -20° C~60° C

High-voltage

76.8kWh Rack-mounted Battery



Specification	
Item	High-voltage 76.8kWh Rack-mounted Battery
Pack configuration	240S1P
Cell Model	3.2V100Ah
Charge Voltage	864V (3.65V/Cell)
Discharge cut-off Voltage	672V (2.5V/Cell)
Nominal Voltage	768V (3.2V/Cell)
Nominal Capacity	100Ah @ 0.5C discharge
Nominal Energy	7.68KWh @ 0.5C discharge
Max Charge Current	100A
Max Cont. Discharge Current	100A
Standard Charge	50A
Standard Discharge	100A
Dimension& Weight	(W1099*D1012*H2099) ± 5mm /980 ± 10kg
Communication protocol	CAN, RS485
Number of cycles	≥4000 (1C/80%SOH)
Operating Temperature	Charge: 0° C~55° C; Discharge: -20° C~60° C

High-voltage 10-30kWh Stackable Battery



Specification				
Battery type	LFP			
Nominal Battery Energy	10.24KWh	15.36KWh	20.48KWh	25.6KWh
Nominal Capacity	50Ah	50Ah	50Ah	50Ah
Nominal Voltage	204.8V	307.2V	409.6V	512.0V
Operating Voltage Range	182V-230V	273V-345V	364V-460.8V	456V-576V
Module Number	2	3	4	5
Standard Charging Current	26A @ 25°C			
Max. Constant Charging Current	100A @ 25°C			
Standard Discharging Current	26A @ 25°C			
Max. Discharging Current	100A @ 25°C			
Depth of Discharge(DOD)	90%			
Design Life	6000 times @90%DOD , 25°C, 0.5C			
Communication	CAN/RS485			
General Specification				
Dimensions (L*W*Hmm)	750*231*806	750*231*1056	750*231*1306	750*231*1556
Weight (KG)	149KG	201KG	255KG	306KG
Charging Temperature	0~+50°C			
Discharging Temperature	-20°C~+55°C			
Storage Ambient Temperature	-20 ~+60°C			

***Need help with easier
energy storage system solutions?***

WE ARE EXPERTS!

CONTACT US

Shenzhen Victbattery Tech Co., Ltd

VICTBATTERY TECH | Shenzhen China



Victpower@victpower.com.cn



0086 0755-23619879



www.victpower.com.cn



5F, Building B, Xinmusheng Low Carbon Industrial Park,
No. 6 Xinmu Road, LongGang District, Shenzhen, China