



Vertical Energy Storage
LiFePO4 Battery

««Product Features

LCD screen display, easy to move universal pulley. The intelligent BMS is compatible with most mainstream inverter communication protocols on the market. Support switching PCS protocol via Bluetooth, display screen, mobile app, etc.

MODEL	LS-05-51-10
Rated Energy	5.12KWH
Configuration	1P 16S
Nominal Voltage	51.2V
Working Voltage	42V~58.4V
Nominal Capacity	100Ah
Rated Charge/Discharge Current	50A/100A @25±2 °C
Maximum Charging Current	100A @25±2 °C
Maximum Discharge Current	100A @25±2 °C
Operation Temperature	0~60°C Charge / -20~60°C Discharge
Humidity	5~95%
Altitude Limited	0~3000m
Weight	52kg
Dimension	420*260*680mm(L*W*H)
Storage Temperature And Humidity	-10 °C~35 °C for 1 month 25+ 2°C for 3 month (65%+20%RH)
Cycle Life	6000 cycles @25 °C 25A Charge/Discharge 80% DOD
IP Grade	IP20
Communication Mode	CAN & RS485



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MODEL	LS-10-25-10
Rated Energy	7.68KWH
Configuration	1P 8S
Nominal Voltage	25.6V
Working Voltage	21V~29.4V
Nominal Capacity	300Ah
Rated Charge/Discharge Current	100A/200A @25±2 °C
Maximum Charging Current	200A @25±2 °C
Maximum Discharge Current	200A @25±2 °C
Operation Temperature	0~40°C Charge / -20~40°C Discharge
Humidity	5~95%
Altitude Limited	0~3000m
Weight	68kg
Dimension	415*270*448mm(L*W*H)
Storage Temperature And Humidity	-10 °C~35 °C for 1 month 25+ 2°C for 3 month (65%+20%RH)
Cycle Life	6000 cycles @25 °C 25A Charge/Discharge 80% DOD
IP Grade	IP20
Communication Mode	CAN & RS485



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MODEL	LS-15-51-20-A	LS-15-51-20-B
Rated Energy	10.24KWH	15.36KWH
Configuration	1P 16S	
Nominal Voltage	51.2V	
Working Voltage	42V~58.4V	
Nominal Capacity	200Ah	300Ah
Rated Charge/Discharge Current	100A/200A @25±2 °C	
Maximum Charging Current	200A @25±2 °C	
Maximum Discharge Current	200A @25±2 °C	
Operation Temperature	0~60°C Charge / -20~60°C Discharge	
Humidity	5~95%	
Altitude Limited	0~3000m	
Weight	95kg	115kg
Dimension	415*270*797mm(L*W*H)	
Storage Temperature And Humidity	-10 °C~35 °C for 1 month 25+ 2°C for 3 month (65%+20%RH)	
Cycle Life	6000 cycles @25 °C 50A Charge/Discharge 80% DOD	
IP Grade	IP20	
Communication Mode	CAN & RS485	



SUOER ENERGY STORAGE SYSTEM

Hybrid Solar Inverter + LiFePO4 Battery

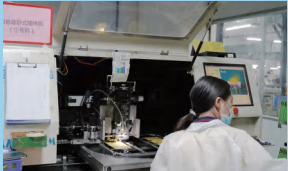


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FOSHAN SUOER ELECTRONIC INDUSTRY CO.,LTD



01 AI automatic horizontal plug-in machine 01



02 Inverter intelligent assembly line



03 Colorful Exhibition Hall



04 Canton Fair

About Suoer

Foshan Suoer Electronic Industry Co., Ltd. Founded in 2005, is located in the National High-tech Zone of Shishan Town,Nanhai District, Foshan City,Guangdong Province. The company is based on the new energy industry, focusing on distributed photovoltaic power generation,photovoltaic water pumping, and energy storage photovoltaic power generation. In other fields,it is a high-tech enterprise specializing in the R&D, production, sales and service of photovoltaic inverters for core equipment such as photovoltaic power generation systems.



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VMS SERIES HYBRID SOLAR INVERTER

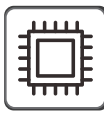


VMS-V-4.2K-48-H
VMS-V-6.2K-48-H
VMS-V-12K-48-H

- Rated output voltage
- Rated on-load power
- Rated input frequency
- Maximum DC input voltage



Built-in Solar Charger



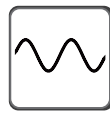
Wide MPPT Range 60-500V



Workable With Generator



BMS Communication Interface

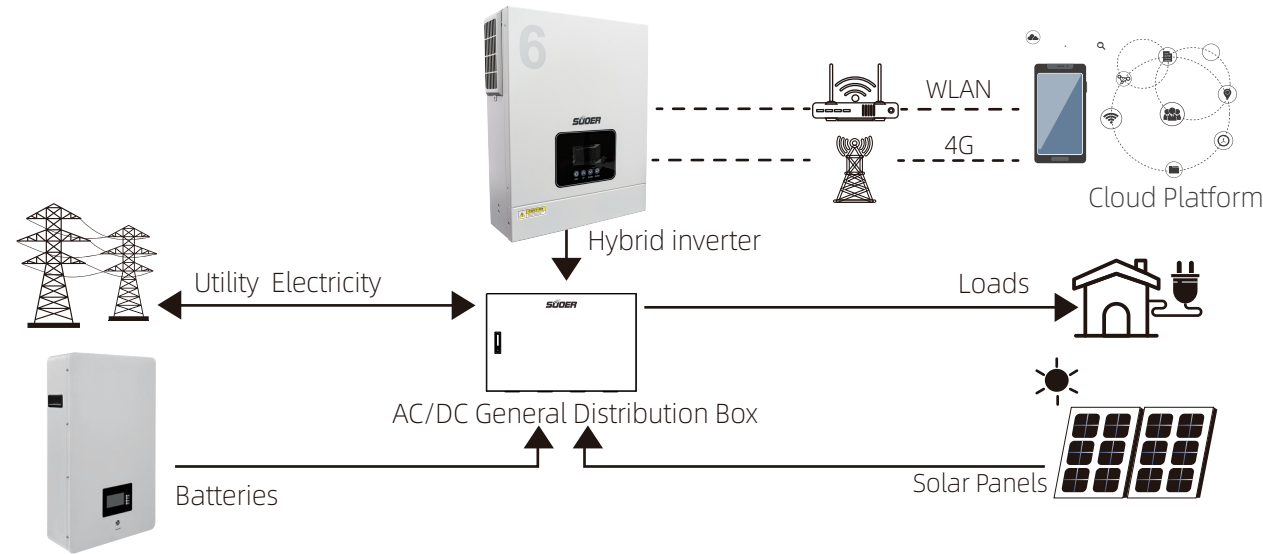


Pure sine Wave



WiFi Monitoring

Solar Residential Energy Storage System



MODEL	VMS-V-4.2K-48-H	VMS-V-6.2K-48-H	VMS-V-12K-48-H
Rated Power	4200W	6200W	12000W
AC Input / Output			
Voltage	220/230/240 VAC		
Output Waveform	Pure sine wave		
Frequency Range	50 Hz/60 Hz		
Grid-tie Output:			
Feed-in Grid Voltage Range	195~253VAC	195~253VAC	195~253VAC
Feed-in Grid Frequency Range	49~51±1Hz/59~61±1Hz	49~51±1Hz/59~61±1Hz	49~51±1Hz/59~61±1Hz
Maximum Main Load	4200W	6200W	12000W
Maximum Second Load	1400W	2066W	NO
Battery & AC Charger			
Battery Voltage	20-33Vdc	40-63 Vdc	48 Vdc
Floating Charge Voltage	27 Vdc	54 Vdc	54 Vdc
Overcharge Protection	33 Vdc	63 Vdc	66 Vdc
Solar charger & AC charger			
Solar Charger Type	MPPT		
Maximum PV Array Power	6200W	6500W	12000W (6000W x 2)
Max Solar Charging Current	120A	120A	150A
MPPT Range @ Operating Voltage	60~450 Vdc	60~450 Vdc	90~450 Vdc
Maximum Charge Current (AC+Solar)	120A	120A	150A
Max AC Charging Current	100A	100A	150A
Maximum PV Array Open Circuit Voltage	500 Vdc		
BMS Communication Interface	RS485/RS232		
Physical			
Dimension, DxWxH (mm)	120 x 344 x 440mm	120 x 344 x 440mm	147 x 432 x 553mm
Net Weight (kgs)	8.5kg	9.4kg	18.4kg
Operating Environment			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10 °C - 50 °C		
Storage Temperature	-15 °C - 60 °C		



Wall Mounted Energy Storage LiFePO4 Battery

««Product Features

With 2A active balancing, the battery pack can maintain consistency without overcharging or discharging. 4.3-inch touch screen, easy to use, The intelligent BMS is compatible with most mainstream inverter communication protocols on the market.Wall mounted design. with up to 16 parallel energy storage units, supporting RS485,CAN communication and LCD display.

MODEL	BG-05-51-10
Rated Energy	5.12KWH
Configuration	1P 16S
Nominal Voltage	51.2V
Working Voltage	42V~58.4V
Nominal Capacity	100Ah
Rated Charge/Discharge Current	50A/100A @25±2 °C
Maximum Charging Current	100A @25±2 °C
Maximum Discharge Current	100A @25±2 °C
Operation Temperature	0~60°C Charge / -20~60°C Discharge
Humidity	5~95%
Altitude Limited	0~3000m
Weight	49kg
Dimension	375*158*625mm(L*W*H)
Storage Temperature And Humidity	-10 °C~35 °C for 1 month 25+ 2°C for 3 month (65%+20%RH)
Cycle Life	6000 cycles @25 °C 25A Charge/Discharge 80% DOD
IP Grade	IP20
Communication Mode	CAN & RS485