

Solar Vigour Series

30kW/60kWh

All-in-one Energy Storage System

Integrating Solar Inverter, Battery PCS, Battery Pack, and EMS into one powerful energy system - our revolutionary All-in-One Home & Commercial-Industrial ESS



Compatible with Various scenarios

Moli Power Battery
mixed-used supported



Off-grid

All-round-safety
Protection



Energy Storage

Uninterrupted
Energy Supply



Solar+Energy Storage



EV+Solar+Energy storage

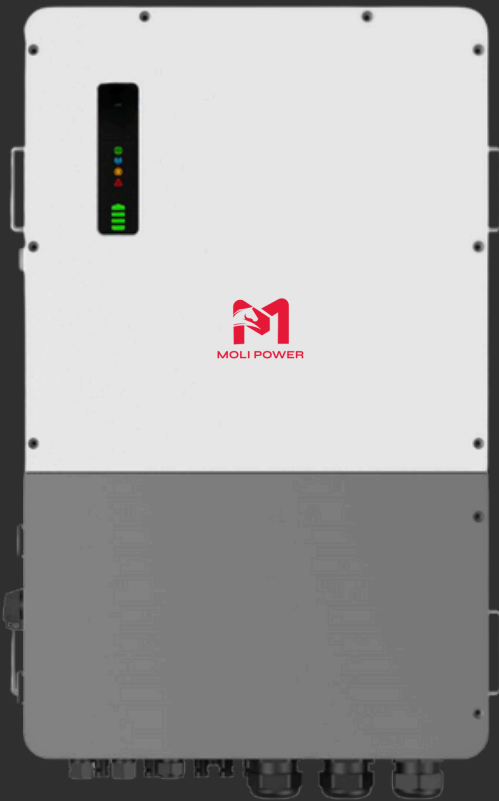
molipower.com

Most Safe & High Performance Battery

- Most Safe LFP Li-ion Battery
- Deep Cycle up to 8,000
- Long Life-span up to 20 years
- High Accuracy BMS
- Modular Design for Easy Maintenance
- 3 Level Protecting Mechanisms
- Ready for all Weather Conditions
- Completed Fire Extinguish System
- Environment Friendly
- Certificates to Meet up Various Regulations



High Performance Inverter



- 4 MPPT / 8 PV Input with efficiency 99.9%
- Support Black Start, On/Off-grid Mode, Generator Input
- Real-time Monitoring
- SiC Topography, Extreme Efficiency
- IP 66 Protect Level

Real-time Monitoring Anywhere, Any time



- Remote Control
- OTA Ready
- Data Privacy
- ROI

Save for Everyday
Zero CO₂ Emission



Mobile



Web

Specification

Model	MP-SV-30-60
Battery	
Specification	NP54173207-205
System Configuration	1P90S
Rated Battery Pack Energy	11.8kWh
Number of Battery Packs	5
Rated System Energy	59kWh
Rated System Voltage	288V
Voltage Range	252 ~ 324V
Discharge	0.5C
Cycle Life	>6000
PV Parameter	
Recommended Max. PV Array Power	60kW
Max. Operating PV Input Current (Per String)	8*20A
MPPT Voltage Range	DC150 ~ 950 V
Full Power MPPT Voltage Range	DC375 ~ 850 V
Start-up Voltage	DC125V
Number Of MPP Trackers	4
Strings Per MPP Tracker	2
Number Of PV Input	8
AC Parameter	
Rated Output Power	30kW
Overload Capability	110% Long Term
Rated Voltage	AC380/400V
Rated Current	43A
AC Input	3W+N+PE
Grid Voltage Range	AC380/400V
Grid Frequency	50Hz/60Hz
THDi	< 3%
Power Factor	0.8 Leading To 0.8 Lagging
DC Component	<0.5%
Switching Time	< 100ms
General	
IP Level	IP53(System)
Interface	RS485,CAN
Protocol	Modbus-RTU,CAN
Temp. Control	Battery (Passive Cooling) , PCS(Air Cooling)
Fire Extinguisher System	Aerosol
Working Temp.	-20℃ ~ 55℃
Working Humidity	0 ~ 95% (Non-condense)
Working Height Level	< 2000m
Weight	900Kg
Dimension (W*D*H)	830*840*1750mm