

Residential Energy Storage System (Low Voltage & Stackable)



SOL-10-5.6LS



High Efficiency

Max. efficiency 94%



Easy installation

50 Kg Battery modules



Safety and Reliability

Lithium-ion phosphate
battery cells



System integration

Integrated design, plug and
play, no compatibility issues

Product Information

-  Scalable from 5 kWh to 60 kWh
-  Self-Consumption Optimization
-  Maximum flexibility for any applications with up to 12 modules connected in parallel
-  Integrated with inverter to avoid the compatibility problem
-  LFP battery, safety and long cycle life
-  Stackable design, effortlessly installation
-  Capable of High-Powered Emergency-Backup and Off-Grid Function

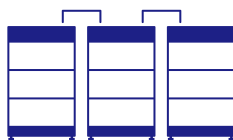
Battery Module

- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Connect up to 12 module in parallel for a maximum size of 60 kWh

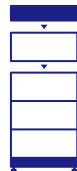
Flexible, Efficient, Simple



Plug Connection
No Additional Wiring Required



5-60KWH
Tailored Sizing for Each Application



Extend Anytime
Easily Adapts to New Requirements



High Power
Power for Every Application

Technical Parameters

Inverter	SOL-5.6KL-S	
Rated Power	5600W	
Maximum PV Array Open Circuit voltage	500VDC	
MPPT Voltage Range	120-450V	
Nomial Output Voltage	220/230/240VAC	
Output Voltage Range	184-265VAC	
Nominal Output Current	25.5A/24.3A/23.3A	
Efficiency	Up to 93.5%	
Grid Output Voltage Range	120-280VAC	
Grid Frequency	50/60Hz(Auto Sensing)	
Maximum AC Charge Current	120A	
Maximum Solar Charge Current	120A	
Nominal DC Voltage	48VDC	
Battery Model	SOL-51.2/100-L (*2)	
Combination Method	16S1P	
Rated Capacity	Typical	200Ah
	Minimum	196Ah
Rated Voltage	51.2V	
Limited Discharge Voltage	43.2V	
Limited Charge Voltage	57.6V	
Internal Resistance(single battery pack)	≤20mΩ	
Max Continuous Charging Current	100A	
Max Continuous Discharging Current	100A	
Operation Temperature Range	Charge:0~50°C / Discharge: -10~50°C	
Storage Temperature Range	-20~+60°C ,Recommend: ≤60±25%RH storage humidity	
Single Module Size/weight	680*429*215mm /50Kg±1Kg	
Overall Size/weight	680*429*750mm /135Kg±1Kg	