

# Residential Energy Storage System (Low Voltage & Stackable)



SOL-15-5.6LS



## 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

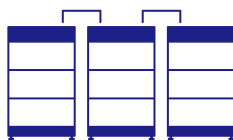
## Battery Module

- 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

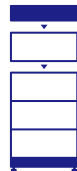
## Flexible, Efficient, Simple



**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

<b>Inverter</b>	<b>SOL-5.6KL-S</b>	
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	
<b>Battery Model</b>	<b>SOL-51.2/100-L (*3)</b>	
Combination Method	16S1P	
Rated Capacity	Typical	300Ah
	Minimum	296Ah
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℃/ Discharge: -10~50℃	
Storage Temperature Range	-20~+60℃,Recommend: ≤60±25%RH storage humidity	
Single Module Size/weight	680*429*215mm /50Kg±1Kg	
Overall Size/weight	680*429*980mm /185Kg±1Kg	