

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

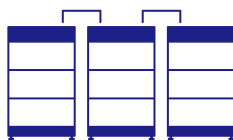
Battery Module

- 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

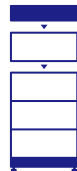
Flexible, Efficient, Simple



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

| | | |
|------------------------------------------|--------------------------------------------------|-------|
| 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 (*3) | |
| 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°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*980mm /185Kg±1Kg | |