

Residential Energy Storage System (High Voltage & Stackable)

SOL-20-10HT



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 Introduction



Scalable from 20 kWh to 30 kWh



Self-Consumption Optimization



The motherboard intelligently ADAPTS to voltage



Integrated with inverter to avoid the compatibility
problem



LFP battery, safest and long cycle life



Stackable design, effortlessly installation



High voltage solution makes higher conver-
sion energy efficiency



Support 3 Phase Output

[🔌] Battery Module

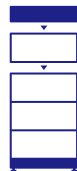
- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Main board self-adjustable to voltage

Flexible, Efficient, Simple



Plug Connection

No Additional Wiring Required



Extend Anytime

Easily Adapts to New Requirements



High Power

Power for Every Application

Technical Parameters

Inverter	SOL10KH-T
Maximum PV Input Power	15kW
Rated PV Input Voltage	620V
MPPT Operating Voltage Range	200-950V
MPPT Quantity	2
Maximum PV Input Current	15A/15A
Rated AC Output Power (to Grid)	10kW
Nominal Input Voltage	3L/N/PE; 220/380V;230/400V;240/415V
Input Frequency	50/60Hz
Maximum Output Current to Grid	16.5A
Battery Voltage Range	135-750V
Max. Battery Charge/Discharge Current	25A/25A
Rated Output Power to Load	10kW
Rated Output Voltage to Load	3L/N/PE;220/380V;230/400V;240/415V
Maximum Output Current to Load	16.5A
Battery Parameters	
Usable Energy	20.45kWh
System Configuration	4 battery packs and 1BMS box
Cell Type	Prismatic(LiFePO4)
Nominal Voltage	204.8V
Operation Voltage Range	179.2V~233.6V
Nominal Discharge/Charge Current	50A
Operation Temperature Range	Charge:0~50℃; Discharge: -10~50℃
Communication Interface	CAN/RS485
Weight	Approx.260Kg
Dimensions (W x D x H)	680*429*1250mm
Ingress Protection	IP55
Round-Trip Efficiency	94%
Applications	Energy storage system/Power backup