

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 conversion energy efficiency
-  Support 3 Phase Output

Battery Module

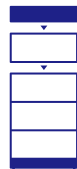
- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Main board self-adjustable to voltage

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 Photovoltaic Input Power	15KW
Rated Photovoltaic DC Input Voltage	620V
MPPT Operating Voltage Range	200-950V
MPPT Quantity	2
Maximum Photovoltaic Input Current	15A/15A
Rated Output Power to Grid	10KW
Rated Voltage	3L/N/PE; 220/380V;230/400V;240/415V
Frequency of Grid	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 (kWh)	20.45
Number of Modules	4
Cell Type	LFP(LiFePO4)
Nominal Voltage (V)	204.8
Operating Voltage Range (V)	179.2~233.6
Nominal Dis- / Charge Current (A)	50
Operating Temperature Range (°C)	Charge:0~50°C; Discharge: -10~50°C
Communication	CAN/RS485
Weight (kg)	260±1
Dimensions (W x H x D mm)	680*1190*425mm
Ingress Protection Rating	IP55
Round-Trip Efficiency	≥95%
Applications	on/off-grid energy storage/off-grid power backup
Compatible Inverters	PYLON, Sacolar, Deye, Growatt, Sofar, Voltronic, LUX, Schneider, Afore, Sinexcel, SUNGROW, Sorotec, GoodWe, KSTAR, Srne, Must, Megarevo, Sol-Ark, INVNT, Aiswei, TBB, SAKO, Solis, SMA, Victron, SMK, BlueSun