

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

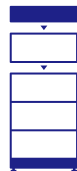
- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Main board self-adjustable to voltage

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 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 D x H mm)	680*429*1250mm
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, INVT, Aiswei, TBB, SAKO, Solis, SMA, Victron, SMK, BlueSun