

ALL IN ONE ENERGY

sanTech
Sangin Technology Services

OFF-GRID SOLAR ENERGY STORAGE SYSTEM

Inverter Power:
3.5KW-10KW



- Single Phase
- Reliable Residential Solar Energy System
- Flexible Battery Expandable
- Can be used as UPS
- Lithium Battery CATL Cells 8000 Cycles

mailto:info@santech.com

چهارراهی انصاری، سرک اول، مدینه پلازا
شهرنو، کابل - افغانستان

+93 (0) 744 846 622

Santech.af

راه های ارتباطی

ALL IN ONE ENERGY

OFF-GRID ENERGY STORAGE SYSTEM

Technical Specifications (Battery)

MODEL	Bat 5.12 VS			
Nominal DC Voltage	51.2V			
Battery Capacity	100Ah	200Ah(100Ah*2)	300Ah(100Ah*3)	400Ah(100Ah*4)
Energy(kWh)	5.12KWh	10.24KWh	15.36KWh	20.48KWh
Cycle Life	8000 cycle(90%DOD)			
Certification	UN38.3,MSDS,CE-EMC			

Technical Specifications (Inverter)

MODEL	Inv 3.5 VS	Inv 6.2 VS	Inv 8 VS	Inv 10 VS
Recommend max. PV input power	5500W	6500W	5000W*2	5500W*2
Max. PV Input Voltage	500Vdc			550Vdc
PV Array MPPT Voltage Range	60Vdc~450Vdc		60Vdc~500Vdc	
Max. Input Current	27A	29A	18A	18A
No. of PV strings per MPPT	1		2	2
Parallel	No parallel			
Max. Charging Current(PV+AC)	100A	120A	140A	160A

OUTPUT POWER

Full Load	3500W	6200W	8500W	11000W
Surge Power	8400W	12400W	17000W	22000W

AC OUTPUT

Rate Voltage	220/230VAC±5%
Frequency	50/60Hz
Waveform	Pure Sine Wave
Overload Protection	5s@≥140% Loading, 10s@100%~140% Loading.
Maximum Conversion Efficiency	94%

AC INPUT

Rate Voltage	230VAC
Voltage Range	170-280VAC, 90-280VAC
Frequency	50/60Hz

BATTERY

Voltage	51.2V / 48V
Battery type	Lithium/ Gel Battery

General Specifications

Operating Temperature Range	-20°C ~ 55°C
Storage Temperature	-20°C ~ 60°C
Humidity	5% to 95% Relative Humidity(Non-condensing)
Communication Port	RS485(RJ45)/RS232(DB9)