

PURE SINE WAVE HYBRID INVERTER

SM Series 4.2/5/6.2KW PV 60-500Vdc



RS232 / RS485



100A-120A MPPT



Dual Outputs



WiFi Optional



Pure sine wave



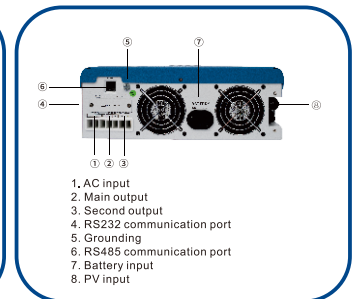
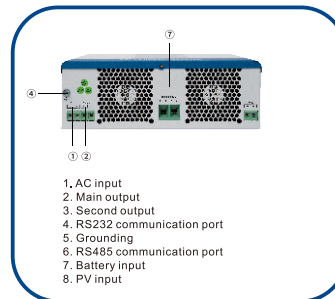
PV 60-500Vdc



Lithium Battery
Activation



Anti-shock
Design



Features

- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT 120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WIFI remote monitoring optional
- Support multiple output priority: UTL, SOL, SBU, SUB
- EQ function to optimize battery performance and extend lifecycle

Technical Data

MODEL	SM 4300KM-24L	SM 5000KM-48L	SM 6200KM-48L
PHASE	1-Phase In /1-Phase Out	1-Phase In /1-Phase Out	1-Phase In /1-Phase Out
Maximum PV Input Power	5000W	5000W	6500W
Maximum Main Output Power	4200VA/4200W	5000VA/5000W	6200VA/6200W
Maximum Second Output Power	4200VA/4200W	5000VA/5000W	6200VA/6200W
Maximum Total Output Power	4200VA/4200W	5000VA/5000W	6200VA/6200W
Parallel Capability	NO	NO	NO
Lithium Battery activation	YES (By PV or Utility)	YES (By PV or Utility)	YES (By PV or Utility)
Lithium Battery communication	YES(RS485)	YES(RS485)	YES(RS485)
Built-in WIFI	Optional		
AC INPUT			
Nominal Voltage	230VAC		
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)		
Frequency	50/60 Hz (Auto sensing)		
AC OUTPUT			
Nominal Voltage	220/230VAC±5%		
Surge Power	8400VA	10000VA	12400VA
Frequency	50/60 Hz		
Waveform	Pure Sine wave		
Dual Outputs	Yes		
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)		
Peak Efficiency	94%		
Overload Protection	5s@ > =140% load; 10s@100%~140% load		
Admissible Power Factor	0.6~1 (inductive or capacitive)		
BATTERY			
Battery Voltage	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC
OverCharge Protection	33VDC	63VDC	63VDC
Charging Method	CC/CV	CC/CV	CC/CV
SOLAR CHARGER & AC CHARGER			
Solar Charger TYPE	MPPT		
Max.PV Array Power	5000W	5000W	6500W
Max. PV Array Open Circuit Voltage	500VDC		
PV Array MPPT Voltage Range	60VDC~500VDC		
Max. Solar Input Current	1 / 27A	1 / 27A	1 / 27A
Max. Solar Charge Current	100A	100A	120A
Max. AC Charge Current	80A	60A	80A
Max. Charge Current	100A	100A	120A
PHYSICAL			
Dimensions, D x W x H(mm)	312.4x350x114.5	312.4x350x114.5	438x312x122
Package Dimensions, D x W x H(mm)	475x390x180	475x390x180	540x390x210
Net Weight (Kgs)	8.5	8.5	11
Communication Interface	Standard version: RS485(RJ45)/RS232(DB9) Builtin WIFI version:RS485(RJ45)		RS485(RJ45)/RS232(DB9)
ENVIRONMENT			
Operating Temperature Range	-10°C to 50°C		
Storage temperature	-15°C~ 60°C		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Ingress Protection	IP21		

Product specifications are subject to change without further notice.