



-  **Max. Efficiency 98%**
-  **IP21 Ingress Protection**
-  **80 MMPT**
-  **DUST PROOF**
-  **APP**
-  **RS485 / CAN**
-  **LCD DISPLAY**

FEATURES

- Supports grid/generator input
- Dual AC outputs, separate grid and generator inputs
- Remote Monitoring
- Built-in WiFi module
- Parallel connection
- Up to 9 devices can be connected in parallel
- Ultra-fast on/off grid switchover
- UPS-level switchover time: 10 ms
- High power battery charging and discharging
- Maximum 120A charging current
- Maximum discharge current: 137A

5 YEARS WARRANTY
2+3 YEARS · T&C APPLIED

SOLAR MPPT (90-500 VDC)

-  **CONTROL**
-  **Built-in Grid Feeding**
-  **WiFi**
-  **Graded Model New Attractive Design**
-  **Anti Dust Kit**
-  **120 AMP Solar Charger**
-  **Works Without Battery**

Specification

Model	SV-6K-S
Input (PV DC)	
Max. PV array power(Wp)	9000
Maximum input power per MPPT	9000
Number of MPPTs	1
Number of MPPT input strings	1
Rated PV input voltage(V)	550
PV input voltage range(V)	90V-500V
MPPT voltage range(V)	90V-500V
Start-up voltage(V)	120V
Max. PV input current per MPPT(A)	27
Max. PV short-circuit current input per MPPT(A)	33A
Battery	
Compatible battery type	Lead-acid & Lithium-ion
Communication protocol type	RS485/CAN
Rated battery voltage(V)	48
Battery voltage range(V)	42-60V
Max. charge(A)	120A
discharge current(A)	137A
Active Battery	yes
Grid	
Rated AC voltage(V)	230VAC
AC Voltage range	90~280Vac
Rated AC frequency(Hz)	50/60
Rated AC output current(A)	28.2
Rated AC output power(W)	6000
THDv	<3%
Max. continuous AC passthrough current(A)	35A
UPS	
Rated output power(W)	6500
Rated output voltage(V)	230
Rated output current(A)	28.2
Rated output frequency(Hz)	50/60
Peak power and peak time	2 time peak power, 5s
Switching time	<10ms
Wave form	YES
Dual Output	YES
THDi	3%
THDV	3%
Efficiency	
Max. MPPT efficiency	99%
Peak Efficiency (PV to INV)	94%
Protection & function	
PV Reversed Protection	YES
Over current/voltage protection	YES
AC Short-circuit current protection	YES
Grid monitoring	YES
AC Surge protection	YES
DC Surge protection	YES
Battery reverse polarity protection	YES
PV reverse polarity protection	YES
power sales monitoring	YES
General	
Ingress protection rating	IP21
Operating environment temperature range(°C)	-10~50
Derating temperature	45°C
Storage temperature range(°C)	-15~60
Relative humidity	5%~95%
Display & Communication interface	LED, RS485/Wi-Fi/CAN/USB
Warranty	2 years
Cooling method	Multistage speed regulation
Topology	Transformer-less
Altitude	<4000m
Noise emission(typical)	50dB
Parallel Capacity	9PCS
Dimension (W*H*D)	390*525*125
Weight	10.6kg
Standards & Certification	
Certification	IEC 62109-1, IEC 61000