

SW 1.2/3.6/5K SO/LV



- * Easy to install, smart setting through LCD
- * Support BMS communication
- * Intelligent working modes
- * Parallel up to 9 units
- * Remote monitoring via APP or Web
- * Dual outputs for smart load management(optional)

Model	SW 1.2KSO/LV	SW 3.6KSO/LV	SW 5KSO/LV
AC INPUT			
Rated Voltage	208/220/230/240 V a.c.,L+N+PE		
Rated Frequency	50 Hz/60 Hz		
Current (Maximum Continuous)	10 A a.c.	20 A a.c.	40 A a.c.
INVERTER OUTPUT			
Rated Power	1.2 kW	3.6 kW	5 kW
Rated Voltage	208/220/230/240 V a.c.,L+N+PE		
Power Factor	1		
Wave Form	Pure Sine Wave		
Switch Time	<10 ms (Typical)		
Inverter Efficiency (Peak)	90.5% @12 V d.c.	>92%	>94%
Current (Maximum Continuous)	5.5A a.c.	15.6 A a.c.	22.7 A a.c.
Maximum Output Overcurrent Protection	102%~110% 1min / 110%~ 130% 10s/ 130%~150% 3s/150% 0.2s		
BATTERY			
Battery Type	Lithium/Lead-acid		
Rated Battery Voltage	12 Vd.c.	24 V d.c.	48 V d.c.
Battery Voltage Range	10.8-15 V d.c.	21~30.2 Vd.c.	42~56.4 V d.c.
Max. Charge Current	120 Ad.c.	100 A d.c.	80 A d.c.
PV INPUT			
No. of MPPT Tracker/Strings	1/1		
Max. PV Array Power	1 kW	5 kW	6 kW
Max. Dc Voltage	125 V d.c.	500 V d.c.	500 V d.c.
MPPT Voltage Range	20~100 V d.c.	40~450 V d.c.	120~430 V d.c.
Start-up Voltage	20 V d.c.	60 V d.c.	120 V d.c.
MPPT Maximum Charge Current	60 A d.c.	100 A d.c.	80 A d.c.
Max. Input Current	14 A d.c.	18 A d.c.	18 A d.c.
Isc PV (Absolute Maximum)	15 A d.c.	22 A d.c.	22 A d.c.
PROTECTION & FEATURES			
Parallel Function	No	No	Yes (up to 9pcs,optional)
Protection Degree	IP20, Indoor only		
Certifications	CE (IEC62109-1), EN61000 NRS		
Other Protection	Overload, Over temperature, Short circuit		
GENERAL PARAMETER			
Storage Temperature	-15° C ~ +60° C		
Operating Temperature	-10° C ~ +50° C		
Humidity	20%~95% (Non-condensing)		
Operating Altitude	4000 m (>1000 m Derating)		
Noise	<50 dB		
Machine Dimensions (W*H*D)	330*228*90 mm	285*435*100 mm	315*470*120 mm
Machine Weight/N.W.	3.2 kg	6.5 kg	8.6 kg
DISPLAY AND COMMUNICATION			
Display	LCD Display (Display Running Mode, Loads /Input /Output etc.)		
Interface	RS485/CAN/Dry Contact/WiFi (Optional)		