

SW 30/60KTH /HV-US



Excellent Performance

4MPPTs, 8 Strings with 20A PV input Current, expandable to 12 inputs

High-efficiency operation, lightweight design, improve energy conversion efficiency and equipment stability.

100A*2 Maximum Charging / Discharging current, up to 200A parallel current in one cabinet



High Flexibility

Designed for high energy demands of factories, warehouses, and offices with cost-effective renewable energy solutions

Up to 6 sets of multi-machine parallel connections



Safety & Reliability

IP66 Protection, ensure the reliable operation of equipment in harsh industrial and commercial environments



Intelligent Maintenance

Quick commission via mobile app, 24/7 remote monitoring, configuration and upgrade

Advanced energy management mechanism, with multiple built-in working modes and flexible customized settings

Model	SW 30KTH/HV-US	SW 60KTH/HV-US
INVERTER INPUT/OUTPUT (GRID)		
Rated Power (Input/Output)	72 kw/ 30 kW	166 kW/60 kw
Rated Voltage	120/208 Va.c.,3W+N+PE	277/480 Va.c., 3W+N+PE
Rated Frequency	50/60 HZ	
Power Factor Range	0.8 leading~ 0.8 lagging	
Switch Time	<20ms	
Max. Continuous Current (input /Output)	200 A a.c./91.7Aa.c.	200 Aa.c./80 Aa.c
Max. Output Overcurrent Protection	125 A a.c.	108 A a.c.
BATTERY		
Battery Type	Lithium / Lead-acid	
Battery Voltage Range	150~800Vd.c.	
Rated Battery Voltage	150Vd.c.	300 vd.c.
Max. Charge Current	2*100 A d.c.	
Max. Discharge Current	2*100 A d.	
Reverse Connect Protection	Yes	
PV INPUT		
No. of MPPT Tracker / Strings	4/2+2+2+2	
Max. PV Array Power	60 kW	100 kW
Max. DC Voltage	1000 Vd.c.	
MPPT Voltage Range	150~950Vd.c.	
Start-up Voltage	200 vd.c.	
Max. Input Current/sring	8*20 A d.c.	
Isc PV (Absolute Maximum)/sring	8*30 A d.c.	
AC OUTPUT (EPS)		
EPS Rated Output Voltage	120/208 V a.c.,3W+N+PE	277/480 V a.c., 3W+N+PE
EPS Rated Output Frequency	50/60 HZ	
EPS Rated Output Active Power	30 kW	60 kW
EPS Rated Output Apparent Power	30 kVA	60 kVA
EPS Rated Output Current	83.3Aa.c.	72 A a.c.
Overload Capacity (Off Grid)	110% 30s/ 120% 10s/ 150% 0.2s	
EFFICIENCY		
MPPT Efficiency	99.90%	
Euro-efficiency	97.00%	
Max. Efficiency	98.00%	
PROTECTION & FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	Yes, up to 6pcs	
Protection Degree	Ip66	
Certifications	IEEE1547, CA RULE21, HECO SRD V2.0, UI1741,UL1741 SA/SB, CSA C22.2, UL1699B.	
Other Protection	Ground Fault Current Monitoring, Earth Fault Detection, Residual Current (RCD) Detection	
GENERAL PARAMETER		
Storage Temperature	-25°C~+60 C	
Operating Temperature	-25°C~ +60°C(>+45°C Derating)	
Humidity	0%~95% (Non-condensing)	
Operating Altitude	4000 m (>2000 m Derating)	
Noise	<65 dB	
Machine Dimensions (W*H*D)	544*880*278 mm	
Machine Weight / N.w.	80kg	
DISPLAY& COMMUNICATION		
Display	LED+APP	
Interface	RS485/WiFi/CAN/DRM (Optional: Bluetooth/LAN/Meter)	

* The AC voltage and frequency range can differ according to the grid standards of each country
Please note that all specifications are subject to change without prior notice