

SW 40/50/60KTH /HV- EU



Excellent Performance

1.67 Times PV Power 4 MPPTs, 8 Strings with 20A PV input current, efficiency up to 99.9%.

All-Silicon Carbide Structure, High-efficiency, lightweight design, improves energy conversion efficiency and equipment stability



High Flexibility

Up to 6 sets of multi-machine parallel connections providing flexible expansion solutions for large-capacity demand

2* Independent Battery Inputs 100A*2 Maximum Charging/Discharging current Up to 200A parallel current in one cabinets.



Safety & Reliability

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



Intelligent Maintenance

Cold start, Off-grid, Economic mode Generator access, Remote maintenance in real time

Model	SW 40KTH/HV-EU	SW 50KTH/HV-EU	SW 60KTH/HV-EU
INVERTER INPUT/OUTPUT (GRID)			
Rated Power (Input/Output)	138 kW / 40 kW	138 kw / 50 kW	138 kw/ 60 kw
Rated Battery Voltage	380/400 Va.c, 3W+N+PE		
Rated Frequency	50HZ/60 HZ		
Power Factor Range	0.8 leading- 0.8 lagging		
Switch Time	<20ms		
Max, Continuous Current (input /Output)	200 A a. c./64A a. c.	200A a.c./80 A a.c.	200A a. c./76A a. c
Max. Output Overcurrent Protection	87 A a. c.	108 A a. c.	130 A a. c.
BATTERY			
Battery Type	Lithium / Lead-acid		
Battery Voltage Range	150-800Vd.c.		
Rated Battery Voltage	200 Vd.c.	250 Vd.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	68 kW	100 kW	100 kW
Max. DC Voltage	1000 Vd.c.		
MPPT Voltage Range	150-950Vd.c.		
Start-up Voltage	125 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	380/400 V a.c.,3W+N+PE		
EPS Rated Output Frequency	50HZ/60 HZ		
EPS Rated Output Active Power	40 kW	50 kW	60 kW
EPS Rated Output Apparent Power	40 kVA	50 kVA	60 kVA
EPS Rated Output Current	58Aa.c.	72Aa.c.	87 A a.c.
Overload Capacity (Off Grid)	110% 30s/ 120% 10s/ 150% 0.2s		
EFFICIENCY			
MPPT Efficiency	99.90%		
Euro-efficiency	97.50%		
Max. Efficiency	98.50%		
PROTECTION & FEATURE			
Insulation Monitoring	Yes		
Residual Current Monitoring	Yes		
Parallel Function	Yes, up to 6pcs		
Protection Degree	Ip66		
Certifications	CEI 0-21,EN 50549-1,VDE-AR-N 4105, UNE 217002,NTSTYPEA, G99,AS/NZS 4777.2		
Other Protection	Ground Fault Current Monitoring, Earth Fault Detection, Residual Current (RCD) Detection		
GENERAL PARAMETER			
Storage Temperature	-25°C~+60C		
Operating Temperature	-25°C~ +60°C(>+45°C Derating)		
Humidity	0%~95% (Non-condensing)		
OperatingAltitude	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.