

SW 40/50/60 kW

Three-phase On-grid Inverter



MODEL

SW040KTL-T1 | SW050KTL-T1
SW060KTL-T1



150% oversizing



Compatible with 650W+ modules



Optional PID recovery



Optional DC Arc Protection

Model	SW040KTL-T1	SW050KTL-T1	SW060KTL-T1
DC Input			
Max. Input Voltage [V]		1100	
MPPT Voltage Range [V]		200-1000	
Rated Input Voltage [V]		600	
Start-up Voltage [V]		180	
No. of MPPT Trackers		4	
No. of PV Strings per MPPT		2	
Max. Input Current per MPPT [A]		40	
Max. Short Circuit Current Per MPPT [A]		50	
AC Output			
Rated Output Power [W]	40000	50000	60000
Max. Output Apparent Power [VA]	44000	55000	66000
Max. Output Current [A]	66.6	83.3	100.3
Rated Grid Voltage [V]		3L/N/PE; 220/380, 230/400	
Rated Grid Frequency [Hz]		50/60	
Power Factor [cos φ]		1 (+/-0.8, adjustable)	
Efficiency			
Max. Efficiency		98.8%	
EU Efficiency		98.3%	
Protection			
DC Switch		Integrated	
Insulation Resistance Monitoring		Integrated	
Input Reverse Polarity Protection		Integrated	
Anti-island Protection		Integrated	
Residual Current Monitoring		Integrated	
AC Overcurrent Protection		Integrated	
AC Short-circuit Protection		Integrated	
String Detection		Integrated	
DC Surge Protection		Integrated (Type II)	
AC Surge Protection		Integrated (Type II)	
DC Arc Protection		Optional	
IV Curve Scanning		Optional	
PID Recovery		Optional	
General Data			
Dimensions (W*H*D) [mm]		585*480*220	
Weight [kg]		37	
Display		LED& Bluetooth+APP	
Communication		WiFi /LAN/ RS485 / 4G (Optional)	
Operating Temperature Range [°C]		-30 ~ +60	
Relative Humidity		0~100%	
Operation Altitude [m]		≤4000(>3000 derating)	
Topology		Transformerless	
Cooling Concept		Smart Fan-cooling	
Ingress Protection		IP66	