

Solavita
A SKYWORTH Company

SW 7/8/9/10 kW

Single-phase On-grid Inverter



MODEL

SW7000TL-S1 | SW8000TL-S1
SW9000TL-S1 | SW10KTL-S1



Max. efficiency up to 98.0%



DC/AC Surge Protection: Type II



Wide voltage range and low startup voltage



150% oversizing

Model	SW7000TL-S1	SW8000TL-S1	SW9000TL-S1	SW010KTL-S1
DC Input				
Max. Input Power[W]	10500	12000	13500	15000
Max. Input Voltage [V]			550	
MPPT Voltage Range [V]			60-520	
Rated Voltage [V]			360	
Start-up Voltage [V]			70	
No. of MPPT Trackers			3	
No. of PV Strings per MPPT			1	
Max. Input Current per MPPT [A]			16	
Max. Short Circuit Current per MPPT [A]			20	

AC Output				
Rated Output Power [W]	7000	8000	9000	10000
Max. Output Apparent Power [VA]	7000	8000	9000	10000
Max. Output Current [A]	31.8	36.4	40.9	45.5
Rated Grid Voltage [V]			L/N/PE, 220/230/240	
Rated Grid Frequency [Hz]			50/60	
Power Factor [cos ϕ]			1(+/-0.8, adjustable)	

Efficiency				
Max. Efficiency			98.0%	
EU Efficiency			97.5%	

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	
DC Surge Protection			Integrated (Type II)	
AC Surge Protection			Integrated (Type II)	
IV Curve scanning			Integrated	
24-hour load monitoring			Optional	
AFCI			Optional	

General Data				
Dimensions (W*H*D) [mm]			446*400*161	
Weight [kg]			17	
Display			LED+LCD/ Bluetooth+App	
Communication			RS485/WiFi/LAN/4G (Optional)	
Operating Temperature Range [°C]			-30~+60	
Relative Humidity			0~100%	
Operation Altitude [m]			≤4000(if >2000 derating)	
Topology			Transformerless	
Type of Cooling			Natural cooling	
Ingress Protection			IP66	