

# 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
<b>DC Input</b>				
Max. Input Power[W]	10500	12000	13500	15000
Max. Input Voltage [V]			550	
MPPT Voltage Range [V]			60-500	
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	

<b>AC Output</b>				
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)	

<b>Efficiency</b>	
Max. Efficiency	98.0%
EU Efficiency	97.5%

<b>Protection</b>	
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
DC Arc Protection	Optional

<b>General Data</b>	
Dimensions (W*H*D) [mm]	428*385*185
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
Cooling Concept	Natural cooling
Ingress Protection	IP66