

Solavita

SW 7/8/9/10 kW

Single-Phase On-Grid Inverter



MODEL

SW7000TL-S1 | SW8000TL-S1
SW9000TL-S1 | SW010KTL-S1



Max. efficiency up to 98.1%



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 Voltage [V]			600	
MPPT Voltage Range [V]			80-550	
Rated Voltage [V]			360	
Start-up Voltage [V]			100	
No. of MPPT Trackers			2	
No. of PV Strings per MPPT	2/1			2/2
Max. Input Current per MPPT [A]	32/16			32/32
Max. Short Circuit Current per MPPT [A]	40/20			40/40

AC Output				
Rated Output Power [W]	7000	8000	9000	10500
Max. Output Apparent Power [VA]	7700	8800	9900	10500
Max. Output Current [A]	35	40	45	46
Rated Grid Voltage [V]			L/N/PE, 230	
Rated Grid Frequency [Hz]			50/60	
Power Factor [cos φ]			1(+/-0.8, adjustable)	

Efficiency	
Max. Efficiency	98.1%
EU Efficiency	97.3%

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
DC Surge Protection	Integrated (Type II)
AC Surge Protection	Integrated (Type II)
DC Arc Protection	Optional

General Data	
Dimensions (W*H*D) [mm]	428*385*185
Weight [kg]	17
Display	LED+OLED
Communication	WiFi / 4G (Optional)
Operating Temperature Range [°C]	-25~+60
Relative Humidity	0-100%
Operation Altitude [m]	≤4000, if >2000, Power Reduction Needed
Topology	Transformerless
Cooling Concept	Smart Fan-cooling
Ingress Protection	IP66