

Solavita

SW 4/5/6 kW

Single-Phase On-Grid Inverter



MODEL

SW4000TL-S1 | SW5000TL-S1
SW6000TL-S1



Aesthetically designed, compact and lightweight appearance



Fanless design for low noise



Two MPPT trackers for more flexible configuration



110% overloading

Model	SW4000TL-S1	SW5000TL-S1	SW6000TL-S1
DC Input			
Max. Input Voltage [V]		600	
MPPT Voltage Range [V]		80-550	
Rated Input Voltage [V]		360	
Start-up Voltage [V]		100	
No. of MPPT Trackers		2	
No. of PV Strings per MPPT		1	
Max. Input Current per MPPT [A]		16/16	
Max. Short Circuit Current per MPPT [A]		20/20	

AC Output			
Rated Output Power [W]	4000	5000	6000
Max. Output Apparent Power [VA]	4400	5500	6600
Max. Output Current [A]	20	25	27.3
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	97.9%
EU Efficiency	97.2%

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]	350*340*150
Weight [kg]	10
Display	LED+OLED
Communication	WiFi / 4G (Optional)
Operating Temperature Range [°C]	-30~+60
Relative Humidity	0-100%
Operation Altitude [m]	≤2000
Topology	Transformerless
Cooling Concept	Natural cooling
Ingress Protection	IP66

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