

Solavita
A SKYWORTH Company

SW
3.68/4/4.6/5/6 kW

Single-phase On-grid Inverter



MODEL

SW3680TL-S1		SW4000TL-S1
SW4600TL-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	SW3680TL-S1	SW4000TL-S1	SW4600TL-S1	SW5000TL-S1	SW6000TL-S1
PV Input					
Max. Recommended Input Power[W]	5520	6000	6900	7500	9000
Max. Input Voltage [V]			550		
MPPT Voltage Range [V]			60~520		
Rated Input Voltage [V]			360		
Start-up Voltage [V]			70		
No. of MPPT Trackers			2		
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]	3680	4000	4600	5000	6000
Max. Output Apparent Power [VA]	4048	4400	5060	5500	6600
Max. Output Current [A]	18.4	20	23	25	30
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			97.90%		
Euro Efficiency			97.20%		
Protection					
DC Switch			Integrated		
Insulation Resistance Detection			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]			420*370*133		
Weight [Kg]			11		
Display			LED+LCD/ Bluetooth+App		
Communication			RS485/WiFi/LAN/4G (Optional)		
Operating Temperature Range [°C]			-30 ~ +60		
Humidity			0 ~ 100%		
Operation Altitude [m]			≤ 4000(if > 2000 derating)		
Topology			Transformerless		
Type of Cooling			Natural cooling		
Ingress protection			IP66		

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SV 7/8/9/10 kW

Single-phase On-grid Inverter



MODEL

SV7000TL-S1-CM33 | SV8000TL-S1-CM33
SV9000TL-S1-CM33 | SV10KTL-S1-CM33



Max. efficiency up to 98.0%



DC/AC Surge Protection: Type II



Wide voltage range and low startup voltage



150% oversizing

Model	SV7000TL-S1-CM33	SV8000TL-S1-CM33	SV9000TL-S1-CM33	SV010KTL-S1-CM33
DC Input				
Max. Recommended Input Power[W]	10500	12000	13500	15000
Max. Input Voltage [V]			550	
MPPT Voltage Range [V]			60-520	
Rated Input 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 Appearent 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		98.00%		
Euro Efficiency		97.50%		
Protection				
DC Switch		Integrated		
Insulation Resistance Detection		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		
Humidity		0 ~ 100%		
Operation Altitude [m]		≤ 4000 (if > 2000 derating)		
Topology		Transformerless		
Type of Cooling		Natural cooling		
Ingress protection		IP66		