

# SW 3/3.6/4/4.6/5/6 kW

Single-phase On-grid Inverter



## MODEL

SW3000TL-S1-E1 | 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	SW3000TL-SI-E1	SW3680TL-S1	SW4000TL-S1	SW4600TL-S1	SW5000TL-S1	SW6000TL-S1
<b>DC Input</b>						
Max. Input Power[W]	4500	5520	6000	6900	7500	9000
Max. Input Voltage [V]				550		
MPPT Voltage Range [V]				60-520		
Rated Voltage [V]				360		
Start-up Voltage [V]				70		
No. of MPPT Trackers	1			2		
No. of PV Strings per MPPT				1		
Max. Input Current per MPPT [A]	16			16/16		
Max. Short Circuit Current per MPPT [A]	20/20			20/20		

<b>AC Output</b>						
Rated Output Power [W]	3000	3680	4000	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4048	4400	5060	5500	6600
Max. Output Current [A]	15	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)		

<b>Efficiency</b>						
Max. Efficiency				97.9%		
EU Efficiency				97.2%		

<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]				420*370*133		
Weight [kg]				11		
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		