



Solar Grid Tied Inverter
S5000TL



EASY-TO-INSTALL

- Quick and easy-to-install with basic tools
- Sufficient installation accessories and various optional accessories
- Quick set up WIFI to APP



RELIABLE

- International quality standards
- IP65 waterproof for outdoor use
- Excellent low light sensitivity



USER-FRIENDLY

- Zero export limitation
- Particular design for anywhere
- Smart string monitoring

SOLAR GRID TIED INVERTER

Technology Data

Model No	S1000TL	S1500TL	S2200TL	S3000TL	S3600TL	S4400TL	S5000TL	S6000TL
DC Side / Input Parameters								
Max DC power (W)	1200	1800	2500	3400	3680	4500	5500	6000
Max DC voltage (Vdc)	450	450	500	550	550	550	550	550
Min System start/Shut down voltage (Vdc)	75/100	75/100	75/100	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	100~450	100~450	100~500	100~550	100~550	100~550	100~550	100~550
Max. input current (A)			12.5				12.5/12.5	
Number of MPP trackers	1	1	1	1	2	2	2	2
Strings per MPP tracker	1	1	1	1	1	1	1	1
AC Side / Output Parameters								
Nominal output power (W)	1000	1500	2200	3000	3300	4000	4600	5500
Maximum output power (W)	1100	1650	2420	3300	3680	4400	5000	6000
Nominal output voltage(range (V)				208,220,230,240/180~270				
AC grid frequency(range (Hz)				50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz				
Maximum output current (A)	6	8	12	17	16	21	23	26
AC connection (with PE)				Single phase				
Current distortion(THDi)	<1.5%	<1.5%	<1.5%	<1.5%	<2.5%	<2.5%	<2.5%	<2.5%
Power factor				-1%(Adjustable from 0.8 leading to 0.8 lagging)				
Efficiency								
Maximum conversion efficiency	97.3%	97.3%	97.4%	97.5%	97.8%	97.8%	97.5%	97.6%
European efficiency	97.0%	97.0%	97.1%	97.2%	97.3%	97.3%	97.2%	97.3%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection								
DC reverse-polarity protection				yes				
Anti-islanding / Overvoltage protection				yes				
Short circuit protection				yes				
Leakage current protection				yes				
Grid monitoring / Ground fault monitoring				yes				
DC/AC side SPD(thermally protected)				yes				
General Parameters								
Dimension (L/W/H)(mm)			382/317/151				382/317/166	
Weight (kg)			10				13.5	
Embedded DC Switch					Optional			
Night power consumption (W)					< 0.2			
Isolation type					Transformerless			
Protection degree					IP65 according to IEC60529			
Operation temperature (°C)					-25 ~ +60			
Cooling concept					Natural convection			
Operating Altitude (m)					<2000m without power derating			
Acoustic noise level (dB)					< 25			
Display					Graphic LCD			
Communication Interface					Standard WIFI; RS485 (optional)			
Warranty					5 years; 5/7/10 years for optional			
Certificates and Approvals								
CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3; EN(IEC) 62109-1/-2								