

TECHNOLOGY PARAMETERS

Model No	T1500TL	T2200TL	T3000TL	S3600TL	S4400TL	S5000TL
DC side/Input parameters						
Max. DC power [W]	1800	2500	3400	3680	4500	5500
Max. DC voltage [Vdc]	450	500	550			
Min. System start/Shut down voltage [Vdc]	75/150		75/100			
MPPT voltage range[Vdc]	100~450	100~500	100~550			
Max. input current [A]	10	13	15	13.5/13.5	13.5/13.5	15/15
Number of MPP trackers	1			2		
Strings per MPP tracker	1					
AC side/output parameters						
Nominal output power [W]	1500	2200	3000	3300	4000	4600
Maximum output power [W]	1650	2420	3300	3680	4400	5000
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]	8	12	17	16	21	23
AC connection(with PE)	Single phase					
Current distortion(THDi) [%]	<1.5			<2.5		
Power factor [%]	> 99.9			> 99.95		
Efficiency						
Maximum conversion efficiency[%]	97.3	97.4	97.5	97.8		
European efficiency[%]	97	97.1	97.2	97.3		
MPPT efficiency[%]	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 varistors(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)					
Certificates and ApprovalsGeneral	CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2					
Warranty	5 years; 10 years for optional					