

SOLAR GRID TIED INVERTER

pv inverter expert

Technology Data

Model No	S6000TL(Pro)	S8000TL	S10000TL
DC Side / Input Parameters			
Max DC power (W)	9000W	12000W	15000W
Max DC voltage (Vdc)		550Vd.c.	
Min System start/Shut down voltage (Vdc)		75/100	
MPPT voltage range(Vdc)		100~500Vd.c.	
Max. input current (A)		28A/18A	
Max. input short current per MPPT (A)		40A/25A	
Number of MPPT trackers		2	
Strings per MPP tracker		2/1	
AC Side / Output Parameters			
Nominal output power (W)	6000	8000	10000
Maximum output power (W)	6600	8800	10500
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)	28	38.5	47.7
AC connection (with PE)		Single phase	
Current distortion(THDi)		<2.5%	
Power factor		~1%(Adjustable from 0.8 leading to 0.8 lagging)	
Efficiency			
Maximum conversion efficiency		98.1%	
European efficiency		97.5%	
MPPT efficiency		99.9%	
Safety and Protection			
AFCI		yes	
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)		468/374/127	
Weight (kg)		11	
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		Smart Cooling	
Operating Altitude (m)		<2000m without power derating	
Acoustic noise level (dB)		< 25	
Display		Graphic LCD	
Communication Interface		Standard WIFI; RS485 (optional)	
Warranty		Standard 5 years; 7/10 years optional	
Certificates and Approvals			
CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/-3/-3/-3; EN(IEC) 62109-1/-2			