



Thinkpower S Series (Standard) Single Phase Solar GTI

1.0KW/1.5KW/2.2KW/3.0KW/3.6KW
4.4KW/5.0KW/6.0KW/8.0KW/10.0KW



Big LCD display



Power export limit



Compact and easy to install



Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



Safer

comply with international quality standards
tested by TUV,BV,Dekra etc.



Great reliability

IP65 ingress protection
10+years R&D accumulation and support

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

Monitor system performance in
real-time via smartphone app or
web portal using out advanced
monitoring platform .

S Series Single Phase

For more about Thinkpower S series grid tie inverter
please visit www.thinkpower.com.cn

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SOLAR GRID TIED INVERTER

Technology Data

Model No	S1000TL	S1500TL	S2200TL	S3000TL	S3600TL	S4400TL	S5000TL	S6000TL
DC Side / Input Parameters								
Max DC power (W)	1500W	2250W	3300W	4500W	5400W	6600W	7500W	7500W
Max DC voltage (Vdc)	450	450	500	500	500	500	500	500
Min System start/Shut down voltage (Vdc)	65/70	75/100	75/100	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	70~450	100~450	100~450	100~450	100~450	100~450	100~450	100~450
Max. input current (A)		13A				13A/13A		
Max.input short circuit per MPPT		17A				17A/17A		
Number of MPP trackers			1				2	
Strings per MPP tracker			1				1	

AC Side / Output Parameters								
Nominal output power (W)	1000	1500	2200	3000	3600	4000	5000	6000
Maximum output power (W)	1100	1650	2420	3300	3960	4400	5500	6600
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	16	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)			370/277/115					434/340/115
Weight (kg)			7					8
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/; EN(IEC) 62109-1/-2								

SOLAR GRID TIED INVERTER

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)		208,220,230,240/140~310	
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz		
Maximum output current (A)	28	38.5	45.6
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			
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	
Operatiing 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/; EN(IEC) 62109-1/-2			