








Thinkpower S Series (Ultra) Single Phase Solar GTI

1.0KW/2.2KW/3.0KW/3.6KW/4.4KW
5.0KW/6.0KW

-  Big LCD display
-  Power export limit
-  Die casting premium design
-  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	S2200TL	S3000TL	S3600TL
DC Side / Input Parameters				
Max DC power (W)	1500W	3300W	4500W	5400W
Max DC voltage (Vdc)	550	550	550	550
Min System start/Shut down voltage (Vdc)	65/70	75/100	75/100	75/100
MPPT voltage range(Vdc)	70~450	100~450	100~450	100~450
Max. input current (A)			18A	
Max.input short circuit per MPPT			25A	
Number of MPP trackers			1	
Strings per MPP tracker			1	
AC Side / Output Parameters				
Nominal output power (W)	1000	2200	3000	3600
Maximum output power (W)	1000	2420	3300	3960
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	12	16	18
AC connection (with PE)		Single phase		
Current distortion(THDi)	<1.5%	<1.5%	<1.5%	<2.5%
Power factor		~1%(Adjustable from 0.8 leading to 0.8 lagging)		
Efficiency				
Maximum conversion efficiency	97.3%	97.4%	97.5%	97.8%
European efficiency	97.0%	97.1%	97.2%	97.3%
MPPT efficiency	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)		315/345/108		
Weight (kg)		5.2		
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	S4400TL	S5000TL	S6000TL
DC Side / Input Parameters			
Max DC power (W)	6600W	7500W	7500W
Max DC voltage (Vdc)	550	550	550
Min System start/Shut down voltage (Vdc)	75/100	75/100	75/100
MPPT voltage range(Vdc)	100~500	100~500	100~500
Max. input current (A)		30A	
Max.input short circuit per MPPT		40A	
Number of MPP trackers		1	
Strings per MPP tracker		2	
AC Side / Output Parameters			
Nominal output power (W)	4000	5000	6000
Maximum output power (W)	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)	21	23	28
AC connection (with PE)	Single phase		
Current distortion(THDi)	<2.5%	<2.5%	<2.5%
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)		
Efficiency			
Maximum conversion efficiency	97.8%	97.5%	97.6%
European efficiency	97.3%	97.2%	97.3%
MPPT efficiency	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)	382/338.5/119		
Weight (kg)	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		
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			