ThinkPower
PV Inverter Expert



Thinkpower S Series (Plus)

Single Phase Solar GTI

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

- 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)	550	550	550	550	550	550	550	550
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	70 ~ 450	100 ~ 450	100 ~ 450	100 ~ 450	100 ~ 500	100 ~ 500	100 ~ 500
Max. input current (A)			18 A				30 A	
Max.input short circuit per MPPT			25 A				40 A	
Number of MPP trackers					1			
Strings per MPP tracker					1			
AC Side / Output Parameters								
Nominal output power (W)	1000	1500	2200	3000	3600	4400	5000	6000
Maximum output power (W)	1100	1650	2420	3300	3960	4840	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	18	21	23	28
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)			300/294/104				370/318.5/105.5	
Weight (kg)			5				7	
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