



## S Series Single Phase

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



### Superior Performance

Maximum conversion efficiency up to **97.8%**  
MPPT efficiency up to 99.9%  
Maximum PV input current up to 13A per string



### Safety and Reliability

**Integrated arc fault circuit interrupter**  
IP65 protection from water and dust  
International quality standards, Tested by TUV, BV, Dekra etc.  
5 years warranty



### Professional Design and Flexibility

High cooling performance  
**Die-cast aluminium alloy body**  
LCD displays  
Support WiFi/LAN/Cell connection

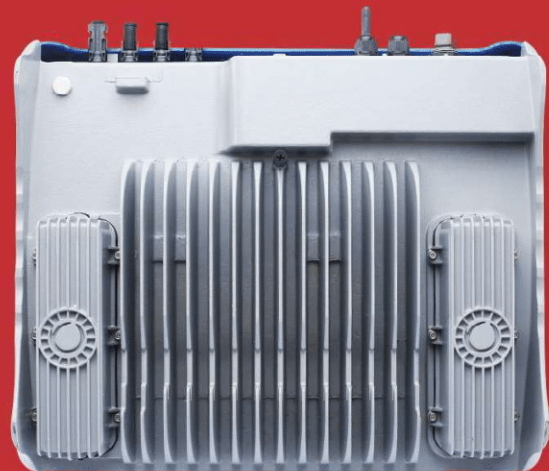
## NO MAINTENANCE

Integrally die-cast aluminum alloy heat dissipation structure, efficient dissipating heat without a cooling fan.

Truly achieving a maintenance-free lifespan.

ThinkPower inverters consistently deliver exceptional reliability and efficiency.

+92-326-5222111



**SOLAR GRID TIED INVERTER**  
Technology Data

Model No	S1000TL	S1500TL	S2200TL	S3000TL	S3600TL	S4400TL	S5000TL	S6000TL
<b>DC Side / Input Parameters</b>								
Max DC power (W)	1500	2250	3300	4500	5400	6600	7500	7500
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)		13				13/13		
Number of MPP trackers	1	1	1	1	2	2	2	2
Strings per MPP tracker	1	1	1	1	1	1	1	1

<b>AC Side / Output Parameters</b>								
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	Natural convection							
Operating Altitude (m)	<2000m without power derating							
Acoustic noise level (dB)	< 25							
Display	Graphic LCD							
Communication Interface	Standard WiFi; RS485 (optional)							
Warranty	5 years; 5/7/10 years for optional							

**Certificates and Approvals**

CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2