



# Thinkpower TP Series Three Phase Solar GTI

10.0KW/12.0KW/15.0KW



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  
smart meter 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 .



TP Series Three Phase



For more about Thinkpower TP series grid tie inverter  
please visit [www.pvthink.com](http://www.pvthink.com)

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## THREE PHASE SOLAR GRID TIED INVERTER

### Technology Data

Model No	TP10KTL	TP12KTL	TP15KTL
<b>Input ( DC )</b>			
Max DC power (W)	15000	18000	22500
Max DC voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
Min working voltage	250 Vd.c.	250 Vd.c.	250 Vd.c.
MPPT voltage range	250...850 Vd.c.	250...850 Vd.c.	250...850 Vd.c.
Max input current / per string	13A/13A	13A/13A	26A/18A
Number of MPP trackers	2	2	2
Number of input string	2	2	3
<b>Output (AC)</b>			
AC nominal power (W)	10000	12000	15000
Max AC apparent power (VA)	11000	13200	16500
Max output current (A)	17	20	23
Nominal AC output	50/60 Hz ; 400 Vac		
AC output range	45/55 Hz ; 280 ~ 490 Vac (Adj)		
Power factor	0.8leading...0.8laging		
Harmonics	< 1.5%		
Grid type	3 W/N/PE		
<b>Efficiency</b>			
Max efficiency	98.3%	98.4%	98.5%
Euro efficiency	97.8%	97.9%	98.0%
MPPT efficiency	99.9%	99.9%	99.9%
<b>Safety and Protection</b>			
DC reverse-polarity protection	yes		
DC breaker	yes		
DC / AC SPD	yes		
Leakage current protection	yes		
Insulation impedance detection	yes		
Residual current protection	yes		
<b>General Parameters</b>			
Dimension (W/H/D)(mm)	/		
Weight (kg)	/		
Operating temperature range °C	-25 ~ +60		
Degree of protection	IP65		
Cooling concept	Natural convection		
Topology	Transformerless		
Display	LCD		
Humidity	0-95%, no condensation		
Communication	Standard WiFi; GPRS/LAN(optional)		
Warranty	Standard 5 years; 7/10 years optional		
<b>Certificates and Approvals</b>			
CQC, VDE-AR-N4105, VDE0126-1-1, IEC61727,IEC62116,IEC62109,EN50438,EN50549			