







# Thinkpower TP Series Three Phase Solar GTI

4.0KW/5.0KW/6.0KW/8.0KW/10.0KW

-  Big LCD display
-  Power export limit
-  Compact and easy to install
-  Wifi/GPRS/Lan communication optional

Thinkpower Romania: Bucuresti,sector2,str.Delea Veche nr24,CorpA,etaj6,modul M1



## 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



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

## THREE PHASE SOLAR GRID TIE INVERTER

### Technology Data

Model No	TP4KTL	TP5KTL	TP6KTL	TP8KTL	TP10KTLM
<b>Input ( DC)</b>					
Max DC power (W)	6000	7500	9000	12000	15000
Max DC voltage (Vdc)	1000	1000	1000	1000	1000
Min working voltage (Vdc)	250	250	250	250	250
MPPT voltage range (Vdc)	250~850	250~850	250~850	250~850	250~850
Max input current / per string (A)	13/13	13/13	13/13	13/13	13/13
Number of MPP trackers	2	2	2	2	2
Strings per MPP tacker	1	1	1	1	1
<b>AC Side / Output Parameters</b>					
AC nominal power (W)	4000	5000	6000	8000	10000
Max AC apparent power (VA)	5000	6000	7000	8800	11000
Max output current (A)	8	10	12	15	17
Nominal AC output	50/60 Hz; 400 Vac				
AC output range	45/55 Hz; 280 ~ 490 Vac (Adj)				
Power factor	0.8leading...0.8lagging				
Harmonics	< 5%				
Grid type	3 W/N/PE				
<b>Efficiency</b>					
Max efficiency	98.0%	98.2%	98.2%	98.3%	98.4%
Euro efficiency	97.5%	97.7%	97.7%	97.8%	97.9%
MPPT efficiency	99.9%	99.9%	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)	480/400/180				
Weight (kg)	22				
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; RS485 (optional)				
Warranty	12 years; 5/7/10 years for optional				
<b>Certificates and Approvals</b>					
CE, EN50549,CQC, VDE-AR-N4105, VDE0126-1-1, AS4777, IEC61727, IEC62116,IEC61000, IEC62109					