



TP Series Three Phase

4kW/5kW/6kW/8kW/10kW



Superior Performance

Maximum conversion efficiency up to **98.4%**
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



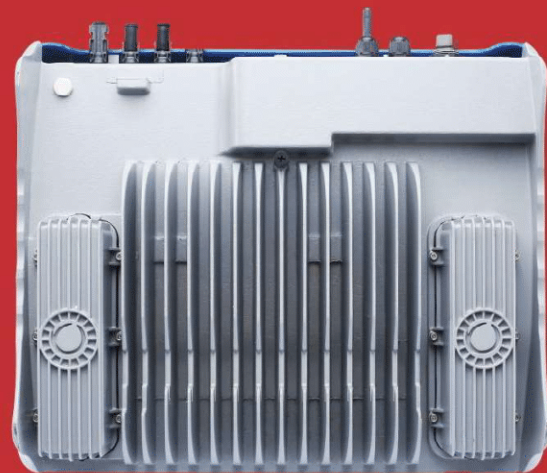
Professional Design and Flexibility

High cooling performance
Die-cast aluminium alloy body
LCD displays
Support WiFi/LAN/Cell connection
Up to 2 MPPTs for PV string versatility

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



THREE PHASE SOLAR GRID TIE INVERTER

Technology Data

Model No	TP4KTL	TP5KTL	TP6KTL	TP8KTL	TP10KTLM
Input (DC)					
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
AC Side / Output Parameters					
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...0.8laging				
Harmonics	< 5%				
Grid type	3 W/N/PE				
Efficiency					
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%
Safety and Protection					
DC reverse-polarity protection	yes				
DC breaker	yes				
DC/AC SPD	yes				
Leakage current protection	yes				
Insulation Impedance Detection	yes				
Residual Current protection	yes				
General Parameters					
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; GPRS/LAN(optional)				
Warranty	Standard 5 years; 7/10 years optional				

Certificates and Approvals

CE, EN50549,CQC,VDE-AR-N4105, VDE0126-1-1, IEC62116,IEC61000,IEC62109