

Three Phase Solar On Grid Inverter

TP™ 5-10kTL



5K-10KTL

5G EVOLUTION

Features:

- Compatible with bifacial and high wattage panels(500W+).
- Transformerless with the three level topology.
- Max. efficiency up to 98.6%.
- Dual MPPT inputs accommodating wide voltage range.
- 17A dual MPPT for 5KTL and 10KTL.
- Compact structure design.
- 6 inches super big LCD display.

Flexibility:

- Indoors and outdoors usage (IP65).
- Easy installation and maintenance free.
- Rs485 & WIFI communication.
- Multi-lingual display with large LCD screen.

Reliability:

- Reliable protection for over/under voltage, anti-islanding, short circuit, overload, etc.
 - Inbuilt type II AC/DC SPDs
- 5-years quality warranty extends to 20-years(optional).

Certificates:

CQC, VDE-AR-N4105M VDE0126-1, IEC 62109 -1, As4777, IEC 62109 -2, IEC 61683, IEC 62116, IEC 61727, ISO/IEC 17065, ISO/IEC 17020

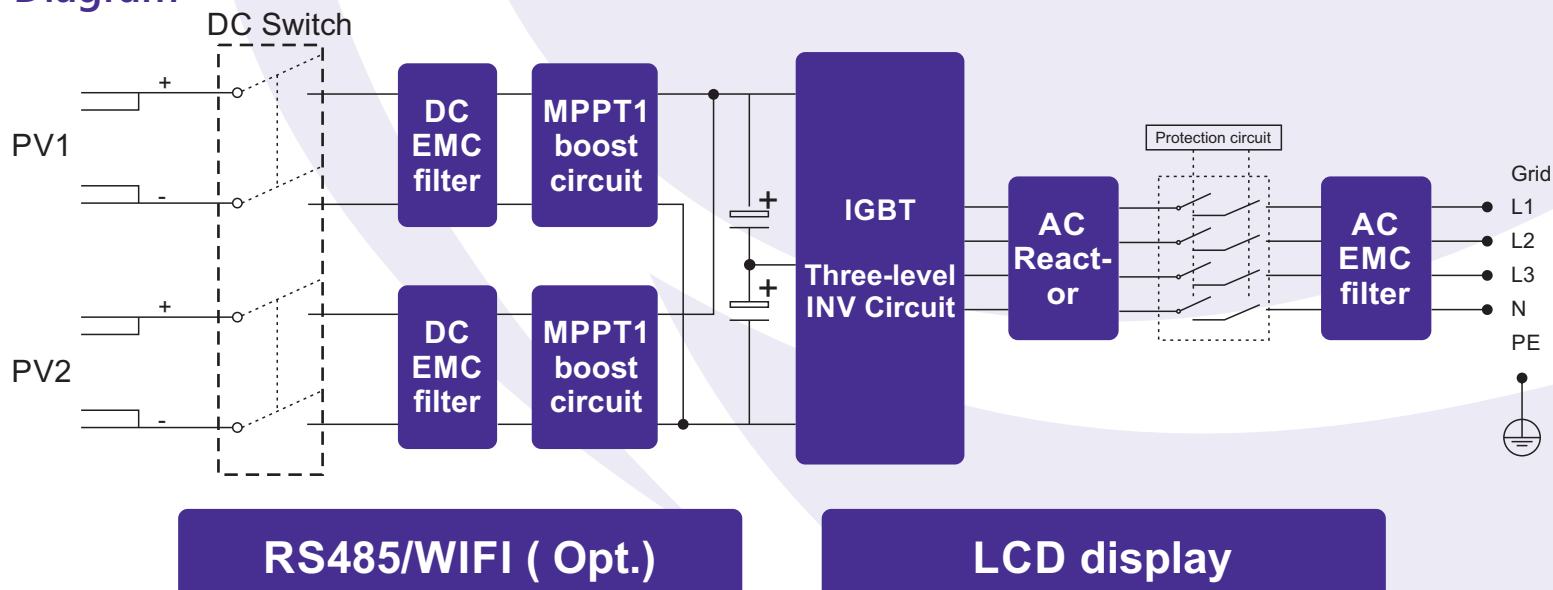


TP Series

Three Phase On grid Series provide string inverters with the best invention patented topology globally, also, we can customize, which provide more optional choices for PV power systems.

TP series has been proved to be outstanding for its features like leading edge efficiency, high cost-effective, modern appearance, friendly interface, and ultra-long quality warranty, etc.

Diagram



THREE PHASE PV ON-GRID INVERTER

Technical Data

TP5KTL / TP10KTL



MODEL	TP5KTL	TP10KTL
Input(DC)		
Max DC power	6500	11500
Max DC voltage	1000Vd.c.	1000Vd.c.
Min working voltage	250Vd.c.	250Vd.c.
MPPT voltage range	250...850Vd.c.	250...850Vd.c.
Max input current/per string	17A×2	17A×2
Number of MPP trackers	2	2
Number of input string	1	1
Output(AC)		
AC nominal power (W)	5000	10000
Max AC apparent power(VA)	5500	11000
Max output current(A)	10	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	<1.5%	
Grid type	3W/N/PE	
Efficiency		
Max efficiency	98.2%	98.4%
Euro efficiency	97.7%	97.9%
MPPT efficiency	99.99%	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 Data		
Dimensions(W/H/D)	510/484/271.5mm	
Weight	35kg	
Operating temperature range	-25 °C ... +60 °C	
Degree of protection	IP65	
Cooling concept	Natural convection	
Topology	Transformerless	
Display	LCD	
Humidity	0-95% ,no condensation	
Communication:RS485/WIFI	YES / YES	
Warranty:5/10/20 years	Yes/Opt./Opt.	
Certificates and Approvals		