

TPI Series

Three Phase Solar GTI



- Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.
- Quick and easy single person installation Fault codes warning view on LCD display Built-in limiter optional.
- Comply with international quality standards tested by TUV,BV,Dekra etc.
- IP65 ingress protection 10+years R&D accumulation and support

Product Features



Big LCD display



Power export limit



Wifi/GPRS/Lan communication optional



Compact and easy to install

THREE PHASE SOLAR GRID TIE INVERTER

Technology Data

Model No	TPI4KTL	TPI5KTL	TPI6KTL	TPI8KTL	TPI10KTL	TPI12KTL	TPI15KTL
Input (DC)							
Max DC power (W)	5500W	6500W	7500W	9500W	11500W	18000W	22500W
Max DC voltage (Vdc)	1000Vd.c.						
Min working voltage (Vdc)	160Vd.c						
MPPT voltage range (Vdc)	160...850Vdc						
Max input current / per string (A)	18A/18A						
Max.input short circuit per MPPT	25A/25A						
Number of MPP trackers	2						
Strings per MPP tracker	1						
Output (AC)							
AC nominal power (W)	4000	5000	6000	8000	10000	12000	15000
Max AC apparent power (VA)	5000	6000	7000	8800	11000	13200	16500
Max output current (A)	8	10	12	15	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	<5%						
Grid type	3 W/N/PE						
Efficiency							
Max efficiency	98.0%	98.2%	98.2%	98.3%	98.4%	98.4%	98.4%
Euro efficiency	97.5%	97.7%	97.7%	97.8%	97.9%	97.9%	98.0%
MPPT efficiency	99.9%	99.9%	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*476*157						
Weight (kg)	16						
Operating temperature range °C	-25~+60						
Degree of protection	IP65						
Cooling concept	Smart Cooling						
Topology	Transformerless						
Display	LCD						
Humidity	0-95%,no condensation						
Communication	RS485/iFi/GPRS						
Warranty	Standard 5 years, 7/10 years optional						
Certificates and Approvals							
CQC, VDE-AR-N4105,VDE0126-1-1,AS4777,IEC61727,IEC62116							