



# TPL Series (Low Voltage) 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  
Built-in limiter optional



### Safer

comply with international quality standards  
tested by TÜV, 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 our advanced monitoring platform .



## TPL Series Advantage

Designed with low voltage power input small commercial PV applications. For South American market of grid voltage 208V, 220V and 240V. The system configuration can be simplified instead of installation of an expensive transformer which adversely affects the system's conversion efficiency.

# THREE PHASE SOLAR GRID TIED INVERTER

pv inverter expert

## Technology Data

Model No	TPL10KTL	TPL12KTL	TPL15KTL
<b>Input ( DC)</b>			
Max DC power (W)	16900W	20800W	22100W
Max DC voltage (Vdc)		800Vd.c.	
Min working voltage (Vdc)		100Vd.c.	
MPPT voltage range (Vdc)		150...750Vd.c.	
Max input current / per string (A)	28A/28A	36A/28A	36A/28A
Number of MPP trackers		2	
Strings per MPP tracker		2/2	
<b>Output (AC)</b>			
AC nominal power (W)	11000	14000	15000
Max AC apparent power (VA)	13000	16000	17000
Max output current (A)	32A	40A	43A
Rated AC Voltage / Range [V]		150 ~ 300	
Grid frequency / range [Hz]		50 / 60; ±5	
Adjustable Power Factor [cosφ]		0.8 leading ~ 0.8 lagging	
Output THDi (@Rated Output)		< 3%	
<b>Efficiency</b>			
Max efficiency	98.3%	98.4%	98.5%
Euro efficiency	98.0%	98.1%	98.2%
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)		520/520/160	
Weight (kg)		20	
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/WiFi/GPRS	
Warranty		Standard 5 years; 7/10 years optional	
<b>Certificates and Approvals</b>			
CQC, VDE-AR-N4105, VDE0126-1-1, AS4777, IEC61727, IEC62116			