



## Longrun 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



**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 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



## THREE PHASE SOLAR GRID TIE INVERTER

Technology Data

Pv inverter expert

Model No	TP4KTL	TP5KTL	TP6KTL	TP8KTL	TP10KTL
<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 tracker	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; GPRS/LAN(optional)				
Warranty	Standard 5 years; 7/10 years optional				
<b>Certificates and Approvals</b>					
CE, EN50549,CQC,VDE-AR-N4105, VDE0126-1-1, IEC62116,IEC61000,IEC62109					



## Longrun TP Series Three Phase Solar GTI

10.0KW/12.0KW/15.0KW

- Big LCD display
- Power export limit
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- Wifi/GPRS/Lan communication optional



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TP Series Three Phase



## THREE PHASE SOLAR GRID TIED INVERTER

Technology Data

Pv inverter expert

Model No	TP10KTL	TP12KTL	TP15KTL
<b>Input ( DC)</b>			
Max DC power (W)	15000	18000	22500
Max DC voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
Min working voltage	250 Vd.c.	250 Vd.c.	250 Vd.c.
MPPT voltage range	250...850 Vd.c.	250...850 Vd.c.	250...850 Vd.c.
Max input current / per string	13A/13A	13A/13A	26A/18A
Number of MPP trackers	2	2	2
Number of input string	2	2	3
<b>Output (AC)</b>			
AC nominal power (W)	10000	12000	15000
Max AC apparent power (VA)	11000	13200	16500
Max output current (A)	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...0.8lagging	
Harmonics		< 1.5%	
Grid type		3 W/N/PE	
<b>Efficiency</b>			
Max efficiency	98.3%	98.4%	98.5%
Euro efficiency	97.8%	97.9%	98.0%
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)		/	
Weight (kg)		/	
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	
<b>Certificates and Approvals</b>			
CQC, VDE-AR-N4105, VDE0126-1-1, IEC61727, IEC62116, IEC62109, EN50438, EN50549			



# Longrun TP Series Three Phase Solar GTI

17.0KW/20.0KW/25.0KW

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TP Series Three Phase



## THREE PHASE SOLAR GRID TIED INVERTER

Technology Data

Pv inverter expert

Model No	TP17KTL	TP20KTL	TP25KTL
<b>Input ( DC)</b>			
Max DC power (W)	25500	30000	30000
Max DC voltage (Vdc)	1000	1000	1000
Min working voltage (Vdc)	250	250	250
MPPT voltage range (Vdc)	250~850	250~850	250~850
Max input current / per string (A)	26/26	26/26	26/26
Number of MPP trackers	2	2	2
Number of input string	4	4	4
<b>Output (AC)</b>			
AC nominal power (W)	17000	20000	25000
Max AC apparent power (VA)	18700	22000	27500
Max output current (A)	25	30	36
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		< 1.5%	
Grid type		3 W/N/PE	
<b>Efficiency</b>			
Max efficiency	98.5%	98.6%	98.7%
Euro efficiency	98.1%	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)		510/484/272	
Weight (kg)		35	
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	
<b>Certificates and Approvals</b>			
CQC, VDE-AR-N4105, VDE0126-1-1, IEC61727, IEC62116, EN50438, EN50549			