

# THREE PHASE SOLAR GRID TIED INVERTER

## Technology Data

Model No	TP5KTL Pro	TP6KTL Pro	TP8KTL Pro	TP10KTL Pro	TP15KTL Pro
<b>Input ( DC )</b>					
Max DC power (W)	7500W	9000W	12000W	15000W	20000W
Max DC voltage (Vdc)			1050Vd.c.		
Min working voltage (Vdc)			160Vd.c.		
MPPT voltage range (Vdc)			160...850Vd.c.		
Max input current / per string (A)	22A	22A	22A	30A	36A
Max.input short circuit per MPPT	30A	30A	30A	40A	48A
Number of MPP trackers			1		
Strings per MPP tracker	1	1	1	2	2
<b>Output (AC)</b>					
AC nominal power (W)	5000	6000	8000	10000	15000
Max AC apparent power (VA)	6000	7000	8800	11000	16500
Max output current (A)	10	12	15	17	25
Nominal AC output	50/60 Hz; 400 Vac				
AC output range	45/55 Hz ; 280 ~ 490 V ac (Adj)				
Power factor	0.8leading...0.8laging				
Harmonics	< 5%				
Grid type	3 W/N/PE				
<b>Efficiency</b>					
Max efficiency	98.2%	98.2%	98.3%	98.4%	98.4%
Euro efficiency	97.7%	97.7%	97.8%	97.9%	98.0%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety and Protection</b>					
AFCI	optional				
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)	457*394*127				
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/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					