

THREE PHASE SOLAR GRID TIE INVERTER

Technology Data

Model No	TP4KTL	TP5KTL	TP6KTL	TP8KTL	TP10KTLM
Input (DC)					
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 tacker	1	1	1	1	1
AC Side / Output Parameters					
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...0.8laging				
Harmonics	< 5%				
Grid type	3 W/N/PE				
Efficiency					
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%
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)	480/400/180				
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				
Certificates and Approvals					
CE, EN50549,CQC,VDE-AR-N4105, VDE0126-1-1, IEC62116,IEC61000,IEC62109					

THREE PHASE SOLAR GRID TIED INVERTER

Technology Data

Model No	TP15KTL	TP20KTL	TP25KTL
Input (DC)			
Max DC power (W)	22500	30000	30000
Max DC voltage (Vdc)	1000	1000	1000
Min working voltage (Vdc)	200	200	200
MPPT voltage range (Vdc)	200~850	200~850	200~850
Max input current / per string (A)	26/20	26/26	36/26
Number of MPP trackers	2	2	2
Number of input string	3	4	4
Output (AC)			
AC nominal power (W)	15000	20000	25000
Max AC apparent power (VA)	16500	22000	27500
Max output current (A)	23	30	36
Nominal AC output	50/60 Hz; 400 Vac		
AC output range	45/55 Hz ; 280 ~ 490 Vac (Adj)		
Power factor	0.8leading...0.8laging		
Harmonics	< 1.5%		
Grid type	3 W/N/PE		
Efficiency			
Max efficiency	98.5%	98.6%	98.7%
Euro efficiency	98.0%	98.1%	98.2%
MPPT efficiency	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)	520*510*155		
Weight (kg)	25		
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		
Certificates and Approvals			
CQC, VDE-AR-N4105, VDE0126-1-1, IEC61727,IEC62116,EN50438,EN50549			