

Three Phase Grid Tie Inverter

TP Series 17KW - 25KW



Key Features

- **IP65 Waterproof Rating**

The inverter comes with an IP65 rating, making it dust-proof and waterproof, suitable for outdoor installation in a variety of environmental conditions.

- **Dual MPPT Inputs**

Allows the connection of multiple solar panel arrays with different orientations, maximizing energy harvest.

- **Grid Connection**

Allows the solar system to work in tandem with the utility grid. Excess energy generated can be fed back to the grid for credit or compensation, depending on

local regulations.

- **Parallel Operation Capability**

Supports multiple inverters working together in parallel to scale up power generation for larger solar installations.

- **Built-in SPD**

Protects against transient overvoltage events such as lightning strikes and grid fluctuations.

- **Smart Monitoring**

Equipped with Wi-Fi module, it allows for remote monitoring via mobile apps or web portals, providing real-time data on energy production, system performance, and fault diagnostics.

Specification 17KW-25KW

Model	TP17KTL	TP20KTL	TP25KTL
INPUT (DC)			
Max. Input Power	25500W	30000W	30000W
Max. Input Voltage	1000Vdc		
Start Voltage	250Vdc		
MPPT Voltage Range	200-850Vdc		
Max. Input Current	26A/26A		36A/36A
Max. Short Circuit Current per MPPT	34A/34A		46A/34A
Number Of MPPT Trackers	2		
String Per MPPT	2		
OUTPUT(AC)			
Nominal Output Power	17000W	20000W	25000W
Max. Output Power	18700W	22000W	27500W
Max. Output Current	25A	30A	41.6A
Rated Grid Frequency/Range	50Hz (44Hz-55Hz) / 60Hz (54Hz-65Hz), auto-selection		
Rated Grid Voltage/Range	380/400/415Vac, 280-490Vac		
Power Factor	~1% (0.8 leading ~ 0.8 lagging)		
THDi	<2.5% (Rated Power)		
EFFICIENCY			
Max. Conversion Efficiency	98.50%		
European Efficiency	98.10%		
MPPT Efficiency	99.90%		
SAFETY AND PROTECTION			
DC Switch	Yes		
DC Reverse Polarity Protection	Yes		
Anti-islanding Protection	Yes		
Residual Current Monitoring	Yes		
Leakage Current Protection	Yes		
Ground Fault Monitoring	Yes		
Insulation Resistance Monitoring	Yes		
DC/AC Side SPD	Yes		
Surge Protection	Type II		
AFCI Protection	Optional		
COMMUNICATION			
Display	LCD / LED + APP		
Communication Interface	RS485 / WiFi / GPRS		



STANDARD COMPLIANCE	
Certificate	VDE-AR-N4105, VDE0126-1-1, AS4777, IEC61727, IEC62116
GENERAL DATA	
Topology	Transformerless
Night Power Consumption	< 0.2W
Dimension (WxHxD)	520x510x160mm
Weight	23Kg
Operation Temperature	-25°C ~ +60°C
Relative Humidity	0 ~ 100%
Operation Altitude	< 4000m without power derating
Noise Level	< 25dB
Cooling Method	Smart Cooling
Protection Degree	IP65
Warranty	Standard 5 Years, 7/10 Years Optional

Product specifications are subject to change without further notice.