KAYAM
Save Power Go Green
Kayam Care +91 9024 254 254

THREE PHASE PV ON-GRID INVERTER TP10KTL (5KW-10KW)

TP Series



Features:

- Optimized transformer-less topology structure
- Max efficiency up to 98.4%
- Dual MPPT inputs accommodating wide voltage range
- SIC components enhance power density
- 0 ampere leakage current design protect against tripping

Flexibility:

- Indoor and outdoors application(IP65) .
- Easy installation and free maintenance
- WiFi or GPRS (optional) communication
- Multi-inverters parallel connection available

Reliability:

- Reliable and stable multi-protection functions
- 5 years standard warranty, 15years extention optional
- High standard components design maximally reduce damage resulted from false-operation

Certificates and Approvals:

CQC，VDE-AR-N4105 , VDE0126-1-1 , AS4777, IEC61727,IEC62116.

TP Series

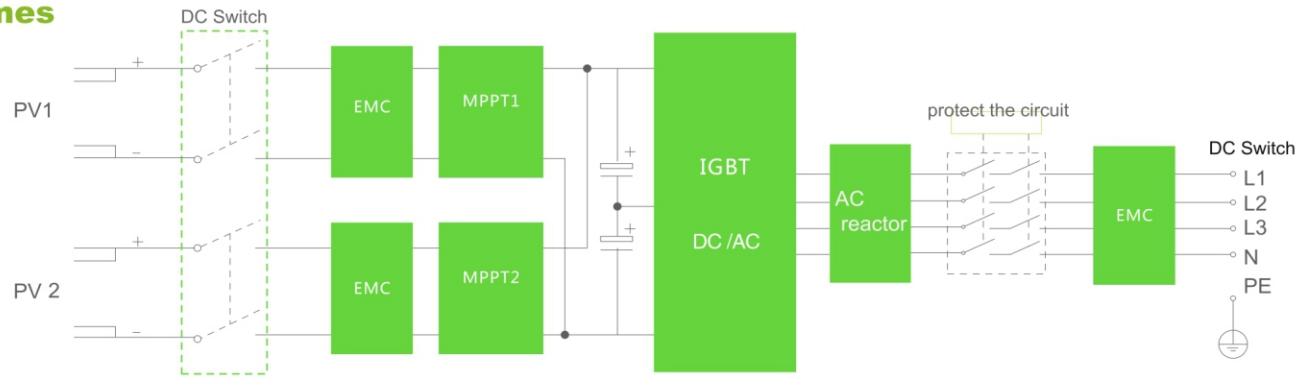
Three Phase On grid Series string inverters adopt the best invention patented topologyglobally, also, customization available, which provides more options for PV power systems.

TP series inverter components from world-class electronic suppliers like

HITACHI EPCOS TEXAS INSTRUMENTS FAIRCHILD SEMICONDUCTOR VISHAY Panasonic

TP series has been proven to be outstanding for its features like leading edge efficiency, high cost-effective,modern appearance, friendly interface, and ultra-long quality warranty, etc

Frames



GPRS/WIFI (**Opt**)

LCD Display screen

THREE PHASE PV ON-GRID INVERTER

Technical Data

TP Series TP10KTL(5KW/6KW /8KW /10KW)

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Model	TP10KTL (5KW)	TP10KTL (6KW)	TP10KTL (8KW)	TP10KTL (10KW)
Input(DC)				
Max DC power	5500 W	7500 W	9500 W	11500 W
Max DC voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
Min working voltage	250 Vd.c.	250 Vd.c.	250 Vd.c.	250 Vd.c.
MPPT voltage range	250...850 Vd.c.	250...850 Vd.c.	250...850 Vd.c.	250...850 Vd.c
Max input current/per string	17Ax2	17Ax2	17Ax2	17Ax2
Number of MPP trackers	2	2	2	2
Number of input string	1	1	1	1
Output(AC)				
AC nominal power (W)	5000	6000	8000	10000
Max AC apparent power(VA)	5500	7000	8800	11000
Max output current(A)	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	<1.5%			
Grid type	3W/N/PE			
Efficiency				
Max efficiency	98.2%	98.2%	98.3%	98.4%
Euro efficiency	97.7%	97.7%	97.8%	97.9%
MPPT efficiency	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 Data				
Dimensions(W/H/D)	480/400/180mm			
Weight	22kg			
Operating temperature range	–25 °C ... +60 °C			
Degree of protection	IP65			
Cooling concept	Natural convection			
Topology	Transformerless			
Display	LCD			
Humidity	0-95% ,no condensation			
Communication:RS485/WIFI	Yes/Opt.			
Warranty:5/10/20 years	Yes/Opt./Opt.			

Certificates and Approvals

CQC,VDE-AR-N4105,VDE0126-1-1,AS4777,IEC61727,IEC62116