

SUNTRIA THREE PHASE SYSTEM (Gen 2)

GT-TP10000 / 12000 / 15000 / 17000 / 20000

Optimised three phase inverter



THREE PHASE DUAL MPPT

High Performance

- MPPT efficiency up to 99.9%.
- Maximum efficiency up to 98.2%.
- Maximum DC input voltage of 1000V.
- Photon Double A rated.
- Dual MPP tracker & wide MPPT voltage range for flexibility.
- Configuration and higher yield.

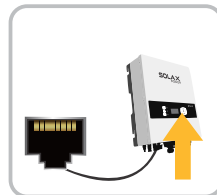
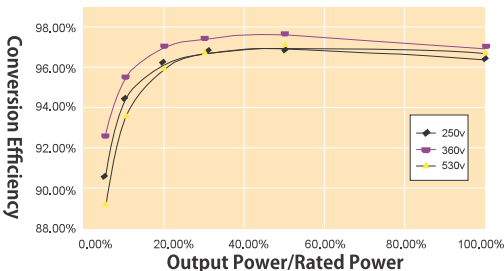
Flexibility and reliability

- Integrated DC switch.
- Temperature controlled fan.
- High protection class IP65 (indoor/outdoor use).
- Multiple protections: RCD, isolation, over voltage, and earth protection, etc.

User-friendly

- Multi-lingual display.
- Graphic LCD display.
- RS485, WIFI(Optional) and 3G (optional) communication for monitoring.
- "Plug & play" connection for easy installation & maintenance.

Efficiency Curve



Easy Upgrading via
Ethernet Port



Export Control
to the Grid



Model	TP10000	TP12000	TP15000	TP17000	TP20000
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► **PV Modules**

Number of modules	34	40	50	57	67
Company and series	Vikram Solar, Eldora Grand 300P				

► **Inverter general specifications**

Company and series	Solax, Three Phase, ZNDY-LX series				
No of MPP / Strings per MPP	2/A:3 B:1	2/A:3 B:1	2/A:3 B:3	2/A:3 B:3	2/A:3 B:3
AC nominal power [W]	10000	12000	15000	17000	20000
Nominal AC voltage; Range [V]	3/N/PE 230/400; 160-280				
Max AC current [A]	16	20	24	25	29
Efficiency MPPT /Euro/Max.	99.9% / 97.0% / 97.6%				

► **Safety and Protection**

Over voltage/under voltage protection, DC isolation impedance monitoring	Available in all models
Grid monitoring, Ground fault current monitoring	Available in all models
DC injection monitoring, Residual current detection	Available in all models
Anti-islanding protection, Over heat protection	Available in all models
Protection class(IEC62103)/overvoltage category (IEC60664-1)	

► **Environment limits**

Protection class	IP65 (IP54 for fan)
Operating temperature range [°C]	-20~60 (derating at 45)
Humidity [%]	0~95 (non-condensing)
Altitude [m]	2000
Storage temperature [°C]	-20~60
Noise emission (typical) [dB]	<50

► **Dimensions and weight**

Dimensions (WxHxD) [mm]	513 x 651.5 x 207				
Weight [kg]	48	48	50.5	50.5	51
Cooling / Topology / Display	Temperature controlled fan / Transformer-less / Graphic LCD				
Communication interfaces	RS485/RS232/Dry contact (WIFI,3G optional)				
Standard Warranty on inverter	5 (10 optional) years				