

**Ideal for
commercial
project**



PV Grid-tied Inverters (Three phase)

SolarLake 10000TL / 12000TL / 15000TL / 17000TL

LEADING-EDGE TECHNOLOGY

- DC input voltage up to 1000v
- Dual MPPT inputs accommodating wide voltage range
- Transformerless - minimizing size and weight
- Maximum Efficiency 98%

FLEXIBILITY

- Use for indoor and outdoor (IP65)
- "Plug and play" connection for easy installation and maintenance
- Multi-lingual display
- Easy configuration for different country grid standards

BUILT TO LAST

- Automatic protection against over/under voltage, over/under load, islanding, short circuit, etc.
- 5 years standard warranty, up to 25 years warranty extension

CERTIFICATES

- Comply with CEI 0-21, CEI 0-16(Italy), VDE AR-N4105 (Germany), AS4777, G83/G59, C10/C11, ect.
(Comply with around 20 countries' Grid Standards)

Datasheet of SolarLake Series

Inverter model	SolarLake 10000TL	SolarLake 12000TL	SolarLake 15000TL	SolarLake 17000TL
Input (DC)				
Max. DC Power [W]	10400	12500	15600	17700
Max. DC Voltage [V]	1000	1000	1000	1000
Max. Input Current [A]	A:16 / B:16	A:16 / B:16	A:20 / B:20	A:20 / B:20
Feed-in Start Voltage [V]	250	250	250	250
Operating Voltage Range [V]	200-950	200-950	200-950	200-950
MPP Voltage Range (Full Load) [V]	320-800	380-800	380-800	430-800
Numbers of MPPT	2	2	2	2
Strings per MPPT	2	2	2	2
DC Switch	Optional	Optional	Optional	Optional
Output (AC)				
Rated AC Power [VA]	10000	12000	15000	17000
Max. AC Power [W]	10000	12000	15000	17000
Max. AC Current [A]	16	19.2	24	25
Rated AC Voltage / Range [V]	3/N/PE, 230/400	3/N/PE, 230/400	3/N/PE, 230/400	3/N/PE, 230/400
Rated AC Frequency / Range [Hz]	50/47-52	50/47-52	50/47-52	50/47-52
Power Factor (cos ϕ)	0.9lagging-0.9leading	0.9lagging-0.9leading	0.9lagging-0.9leading	0.9lagging-0.9leading
THDi (at rated power)	<3%	<3%	<3%	<3%
Efficiency				
Max. Efficiency	97.90%	97.90%	98.00%	98.00%
Euro Efficiency	97.40%	97.40%	97.60%	97.60%
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%
General Data				
Dimension (W*H*D) [mm/in]	520*716*230/20.4*28.2*9.1			
Weight [kg/lb]	50/110			
Operating Temperature Range[C / F]	-20-+60/-4-140			
Cooling	Fan			
Ingress protection (IP)	IP65			
Display	3.5 inch LCD			
Communication (Standard)	RS485/RS232/Ethernet			
Warranty (5/10/15/20/25years)	Std/OPT./OPT./OPT./OPT.			
Certificates	CE, TUV, BDEW, VDE 0126-1-1, RD 1663, G59, DK5940, EN50178, EN61000-3-2, EN6100-6-1/2/3/4, IEC-62109, VDE AR-N-4105, CEI 0-21, CEI 0-16, AS4777			