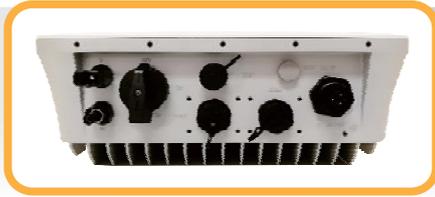


Single Phase Inverter

Omniksol-2k/2.5k/3k-TL3-S-NS



Product Features

【Compact and Robust】

- Aluminum alloy die casting enclosure, permanently anti-rust
- IP 65, ensuring waterproof and dustproof during the 25-year service life
- Integrated streamlined case design with elegant appearance
- Light weight, less than 9kg for 3kW inverter; dual-in-line wiring method, simplified one-person installation
- Industrial-grade high quality components, obtaining a 25-year design life

【High Conversion Efficiency, High Overload Capacity, More Power Generation Benefit】

- High conversion efficiency up to 97.8%
- Internal double boards design, without wiring terminal connection, low failure rate, ensuring long-term continuous power generation of the inverter
- Self-adaptive to the weak grid conservative mechanism, ride-through in harsh environment
- 10% output overload capacity, increasing power generation benefits by more than 20%
- 600 V withstand voltage, 90~550V wide MPPT range, supporting input over 30%

【Easy Operation, Intelligent Monitoring, Running Cost Reduction】

- Remote wireless transmission and cloud storage of power generation and operational data
- One-click APP configuration, real-time query via smart phone, convenient and efficient
- Support meter communication interface, more accurate power generation data, ensuring the profits
- Remote software upgrade, parameter setting and troubleshooting query, greatly reducing the cost of operation and maintenance
- Provided with the functions of grid remote power control, dry contact control, sound and light alarm

Technical Data

Omniksol-2k/2.5k/3k-TL3-S-NS

Type	Omniksol-2k-TL3-S-NS	Omniksol-2.5k-TL3-S-NS	Omniksol-3k-TL3-S-NS
Input(DC)			
Max. PV Module Power [W]	2600	3250	3900
Max. input voltage [V]	600	600	600
Start up DC Voltage [V]	120	120	120
MPPT Voltage Range at Nominal Power [V]	90 - 550	90 - 550	90 - 550
Nominal DC Voltage [V]	360	360	360
MPPT voltage range at full load [V]	200 - 480	250 - 480	300 - 480
Max. input current [A]	11	11	11
Max. short circuit current [A]	12	12	12
Number of MPP trackers	1	1	1
Output(AC)			
Rated output power [W]	2000	2500	3000
Max. AC Apparent Power [VA]	2000	2500	3000
Max. output current [A]	8.7	10.9	13
Nominal Grid Voltage [V]	Single phase 230		
Grid Voltage Range [V]	180 – 280		
Norminal Grid Frequency [Hz]	50 / 60		
Norminal Grid Frequency range [Hz]	45 - 55 / 55 - 65		
Total Harmonic Distortion (THD)	< 3% (rated output power)		
DC component	< 0.5% × rated output current		
Power factor	> 0.99 (rated output power)		
Adjustable range of power factor	0.8 leading ~ 0.8 lagging		
Efficiency			
Max. conversion efficiency	97.8%		
Euro Efficiency	97.3%		
Protection Functions			
Islanding protection	Available		
Output short-circuit protection	Available		
Leakage current protection	Available		
DC reverse polarity protection	Available		
Array ground insulation resistance monitoring	Available		
DC switch	Available		
Others			
Dimensions (W×D×H) [mm]	308× 116.5× 353		
Weight [Kg]	< 9		
Operating temperature	-25°C+ 60°C(> 45°Cdowngrading)		
Relative humidity	0% ~ 100%		
Max. Altitude (above sea level)	4000 m (> 2000 m downgrading)		
Environmental Protection Rating	IP65		
Cooling Concept	Natural convection		
Display	LED indicators		
Night time Power Consumption [W]	< 0.5 W		
Data Communication Interfaces	RS485*2,Wi-Fi,Ethernet		
Noise Level [dB]	<40dB		
Mounting Information	Wall-mounted		
DC Connection Type	MC4		
AC Connection Type	Plug and play		
Grid Standards	IEC/EN62109-1,IEC62109-2, AS/NZS 4777.2:2015, VDE 0126-1-1, VDE-AR-N-4105, VDE V 0124-100 (GE), ENEL 2010 Ed.2.1, CEI 0-21 (ITA), G83, G59 (UK), EN50438 (NLD)		

*The AC voltage and frequency range may vary depending on specific country grid