

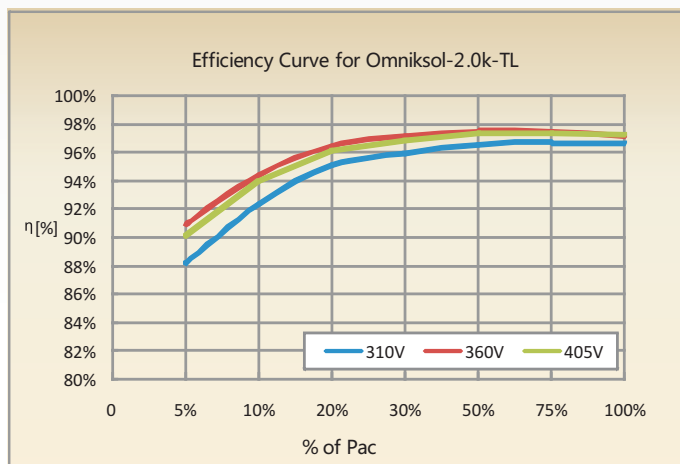
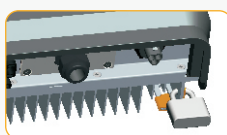


Omnik New Energy Solar Inverter

Omniksol-1.5k-TL/Omniksol-2.0k-TL



Omniksol-2.0k-TL Photon Efficiency **No.1** up to 3kW
in the world----- Photon tested Jan.2012.



Features

- Transformerless design, high efficiency (Max.97.5%,Euro.96.6%)
- High MPP tracking accuracy(>99.9%)
- Wide DC input range(120-500 Vdc), compatible with different module technologies
- Easy wiring, installing and operating
- IP 65 design, suitable for indoor and outdoor installation
- 5 years warranty(10~25 years as option)

Certificates



ENEL Guide RD1663

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Omnik New Energy Solar Inverter Technical Data

Omniksol-1.5k-TL/Omniksol-2.0k-TL

Type	Omniksol-1.5k-TL	Omniksol-2.0k-TL
Input (DC)		
Max. PV-Generator Power [W]	1750	2300
Max. DC voltage [V]		500
MPPT DC voltage Range [V]		120 - 450
Turn off DC voltage [V]		120
Max. DC Current [A]		18
Nominal DC Current [A]	14	16.5
Number of DC Connection		1
DC-Connection		MC4
Number of MPP trackers		1
Turn on Power [W]		10
Output (AC)		
Max. AC Power [V]	1650	2200
Nominal AC Power [W]	1500	2000
Max. AC Current [A]	9.0	12.0
Nominal AC Current [A]	6.5	8.5
Grid voltage Range	According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Grid Frequency Range	According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Power Factor	0.99 (>30% of Full Load)	
THD(AC Output Current)	<2%	
AC Connector	Plug-in connector	
Power Consumption		
Own Consumption in Operation [W]		30
Power Consumption at Night [W]		0
Power Consumption at Standby [W]		6
Efficiency		
Max. Efficiency (at 360VDC)		97.5%
Euro. Efficiency (at 360VDC)		96.6%
MPPT Efficiency		99.9%
Safety and Protection		
Internal Overvoltage Protection		Yes
DC Insulation Monitoring		Yes
Earth Fault Protection		Yes
Grid Monitoring	According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Earth Fault Current Monitoring	According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
DC Current Monitoring	According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1,AS4777	
Islanding Protection	According to VDE 0126-1-1, RD1663, G83/1, AS4777	
Normative Reference		
	EN 62109, EN 61000-6-1, EN 61000-6-3, EN 61000-6-2, EN 61000-6-4	
CE- Compliant According to	EN61000-3-2, EN61000-3-3, EN61000-3-12, EN61000-3-11	
Dimensions and Weight		
Dimensions (WxHxD)[mm]	330x425x130	
Weight [kg]	13	
Environmental Limits		
IP Protection Type	IP 65 according to IEC 60529	
Operating Temperature Range	-20°C to +60°C	
Relative Humidity	0% to 98%, no condensation	
Maximum Altitude (above sea level)[m]	2000	
Noise Level[dBA]	<40	
General Data		
Isolation Type	Transformerless	
Cooling Concept	Natural Convection	
Housing	Stainless steel housing for inside and outside installation	
Mounting Information	Wall bracket	
Display	3 LED,Backlight, 16 x 2 Character LCD	
Data Logger		
Data Communication Interfaces	RS485, Optional (Wi-Fi, GPRS, Ethernet)	
Computer Communication	RS232 as Option	
Standard Warranty	5 Years (Optional 10~25 years)	

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