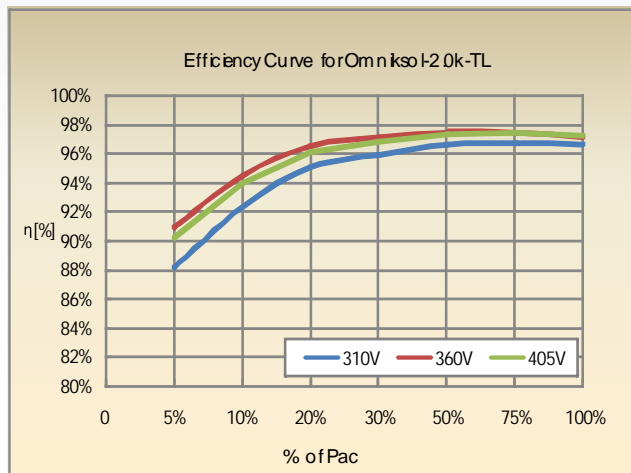


Omnik New Energy Solar Inverter

Omniksol-1.0k-TL/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 MPPT accuracy(>99.9%)
- Wide DC input range(120-500 Vdc) compatible with different module technologies
- Easy to wire, install and operate
- IP 65 design, suitable for indoor and outdoor installation
- 5 years warranty(10~25 years as option)

Certificates



ENEL Guide RD1663 EN50438

www.omnik-solar.com

Omnik New Energy Solar Inverter Technical Data

Omniksol-1.0k -TL Omniksol-1.5k -TL Omniksol-2.0k -TL

Type	Omniksol-1.0k-TL	Omniksol-1.5k-TL	Omniksol-2.0k-TL
Input (DC)			
Max. PV-Generator Power [W]	1300	1750	2300
Max. DC voltage [V]	500	500	500
MPPT DC voltage Range [V]	90-300	150 - 450	150 - 450
Turn off DC voltage [V]	80	120	120
Max. DC Current [A]	16	18	18
Nominal DC Current [A]	8.5	14	16.5
Number of DC Connection	1	1	1
DC-Connection	MC4	MC4	MC4
Number of MPP trackers	1	1	1
Turn on Power [W]	10	10	10
Output (AC)			
Max. AC Power [W]	1100	1650	2200
Nominal AC Power [W]	1000	1500	2000
Max. AC Current [A]	5.8	9.0	12.0
Nominal AC Current [A]	4.3	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			
CE- Compliant According to	EN 62109, EN 61000-6-1, EN 61000-6-3, EN 61000-6-2, EN 61000-6-4 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	Iron housing for inside and outside installation		
Mounting Information	Wall bracket		
Display	3 LED,Backlight, 16 x 2 Character LCD		
Data Logger	RS485, Optional (Wi-Fi, GPRS, Ethernet)		
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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