



**Omniksol-3.0k-TL2**  
**Omniksol-4.0k-TL2**  
**Omniksol-5.0k-TL2**


**ENEL2010 C10/11 Rd1663 TF3.2.1**

Features	Advantage	Benefit
Standard 10 years warranty, extensional up to 15 years	Longer life cycle	more stable and reliable
Built-in GPRS as option	Plug and play	No commissioning work to get real-time remote monitoring
Built-in Wifi as option	Free monitoring fee for data transmission	More convenient monitoring solution without any charge
External Inductor and built-in fan	Very lower internal temperature	Longer life cycle
Smaller and lighter, 5kW only 16kg	Easy transportation and installation	Saving storage and installation space
High performance DSP for algorithm control	Faster CPU speed	Higher inverter control accuracy
VDE-AR-N 4105 certification	Adjustable active and reactive power	Meet the latest certification and regulations
High performance topology design	Maximum conversion efficiency up to 97.8%, CEC up to 97.3%	Increase system payback ability
Dual MPPT design	More flexible system design	Fit in various installation environments
Multi-button touch interface	User friendly operation	Easy to operate



# Omnik New Energy Solar Inverter Technical Data

Omniksol-3.0k-TL2/Omniksol-4.0k-TL2/Omniksol-5.0k-TL2

Type		Omniksol-3.0k-TL2	Omniksol-4.0k-TL2	Omniksol-5.0k-TL2
<b>Input (DC)</b>				
Max.PV-Generator Power	[W]	3400	4600	5200
Max DC Voltage	[V]		590	
Rated Voltage	[V]		360	
MPPT DC Voltage Range	[V]		120 - 500	
Turn off DC Voltage	[V]		90	
Max. DC Current	[A]	12*2	16*2	18*2
Nominal DC Current	[A]	10*2	13*2	14*2
Number of DC Connection			2	
Max. Input Power, each MPPT	[W]	2000	2600	3000
DC-Connection			MC4	
Number of MPP trackers			2	
Turn on Power	[W]		10	
<b>Output (AC)</b>				
Max. AC Power	[VA]	3300	4400	5000
Nominal AC Power	[W]	3000	4000	4600
Max. AC Current	[A]	14.4	19.0	22.0
Nominal AC Current	[A]	13.0	17.4	20.0
Grid Voltage Range			185V...276V(depending on regional settings)	
Rated Frequency			50Hz and 60Hz	
Power Factor			0.95 capacitive...0.95 inductive	
THD(AC Output current)			<2%	
AC Connector			Plug-in connector	
<b>Power consumption</b>				
Power Consumption at Night	[W]		<1	
Power Consumption at Standby	[W]		6	
<b>Efficiency</b>				
Max. Efficiency		97.8%	97.8%	97.8%
Euro Efficiency		97.1%	97.3%	97.3%
MPPT Efficiency			99.9%	
<b>Safety and protection</b>				
Internal Overvoltage Protection			Yes	
DC Insulation Monitoring			Yes	
Earth Fault Protection			Yes	
Grid Monitoring		According to VDE 0126-1-1, VDE-AR-N 4105,RD1669, ENEL2010,C10/11,G83/1,AS4777		
Earth Fault Current Monitoring		According to VDE 0126-1-1,VDE-AR-N 4105,RD1669, ENEL2010,C10/11,G83/1,AS4777		
DC Current Monitoring		According to VDE 0126-1-1, VDE-AR-N 4105,RD1669, ENEL2010,C10/11,G83/1,AS4777		
Islanding Protection		According to VDE 0126-1-1, VDE-AR-N 4105,RD1663, G83/1, AS4777		
<b>Normative reference</b>				
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		
<b>Dimensions and weight</b>				
Dimensions (WxHxD)	[mm]		352x421x162.5	
Weight	[kg]	16.5	16.5	16.5
<b>Environmental limits</b>				
IP Protection Type			IP 65 according to IEC 60529	
Operating Temperature Range			-20°C to+60°C,up to 45°C without derating	
Relative Humidity			0% to 98%, no condensation	
Maximum Altitude (above sea level)	[m]		2000	
Noise Level	[dBA]		< 40	
<b>General data</b>				
Isolation Type			Transformerless	
Cooling Concept			Convection	
Housing			Iron housing for inside and outside installation	
Mounting Information			Wall bracket	
LED Display			3	
LCD Display			Backlight, 20 x 4 Character LCD	
Data Logger			RS485,USB ,Optional (Wi-Fi, GPRS)	
Data Communication Interfaces			USB	
Computer Communication			USB	
Standard Warranty			10 Years (Optional 15 years)	