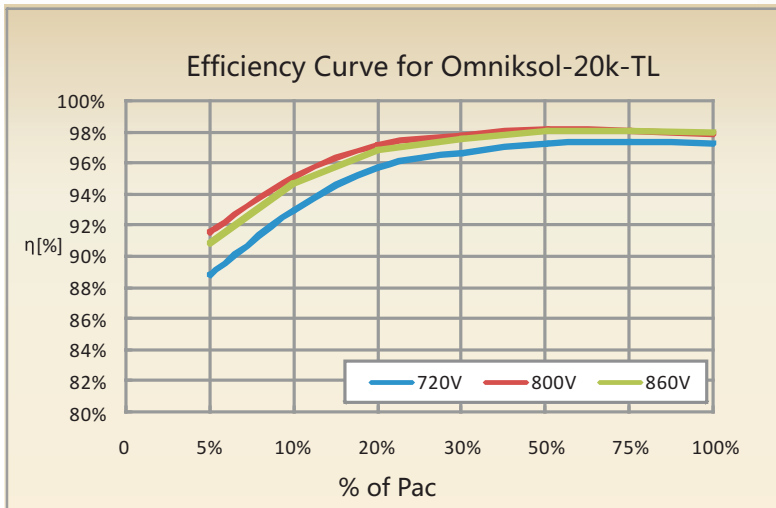


Omnik New Energy Solar Inverter

Omniksol-13k-TL/Omniksol-17k-TL/Omniksol-20k-TL

Features

- Max. Efficiency 98.2%, Euro. Efficiency 97.8%.
- Double MPPT, MPPT accuracy up to 99.9%.
- IP65 design, work properly under severe outdoor circumstances.
- Full solution of safety protection, DC switch integrated.
- Flexible input and output connections, support RS485, Ethernet and USB communication.
- Transformerless design and high power density, lighter and more convenient for installation.



Certificates



ENEL2010 C10/11 Rd1699 VDE-AR-N-4105

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Omnik New Energy Solar Inverter Technical Data

Omniksol-13k-TL/Omniksol-17k-TL/Omnik Sol-20k-TL

Type	Omniksol-13k-TL	Omniksol-17k-TL	Omniksol-20k-TL
Input(DC)			
Max. PV-Generator Power[W]	13500	17600	21200
Max. DC voltage[V]	1000	1000	1000
MPPT DC voltage Range[V]	400-800	440-850	480-850
Nominal DC voltage[V]	640	640	640
Max.DC Current(A/B)[A]	22/11	22/22	22/22
Number of MPP Trackers	2	2	2
DC Connection per MPPT	A:3 / B:3	A:3 / B:3	A:3 / B:3
Output(AC)			
Nominal AC voltage[V]	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400
Frequency[Hz]	50, 60	50, 60	50, 60
Max. AC Power[W]	13000	17000	19200
Nominal AC Power[W]	13000	17000	19200
Max. AC Current[A]	20	26	29
Nominal AC Current[A]	18.8	24.6	28
Power Factor	0.9i ... 1 ... 0.9c	0.9i ... 1 ... 0.9c	0.9i ... 1 ... 0.9c
Harmonic Distortion(THD)	<2%	<2%	<2%
Power Consumption at Night[W]	<0.6	<0.6	<0.6
Power Consumption at Standby[W]	<12	<12	<12
Efficiency			
Max. Efficiency	98%	98.1%	98.2%
European Efficiency	97.5%	97.6%	97.8%
MPPT Efficiency	99.9%	99.9%	99.9%
Safety and Protection			
DC Surge Protection	Type III	Type III	Type III
DC Insulation Monitoring	Integrated	Integrated	Integrated
Earth Fault Protection	Integrated	Integrated	Integrated
Grid Monitoring	According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777	According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777	According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777
Earth Fault Current Monitoring	According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777	According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777	According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777
Electricity Fuse Protection	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated
Normative Reference			
CE Compliant According to	IEC62109,EN61000-6-2,EN61000-6-3, EN61000-3-12,EN61000-3-11	IEC62109,EN61000-6-2,EN61000-6-3, EN61000-3-12,EN61000-3-11	IEC62109,EN61000-6-2,EN61000-6-3, EN61000-3-12,EN61000-3-11
Dimensions and Weight			
Dimension (WxHxD) [mm]	575x655x240	575x655x240	575x655x240
Weight[Kg]	44.5	45	45
Mounting Information	Wall Bracket	Wall Bracket	Wall Bracket
IP Protection Type	IP65 (EN 60529)	IP65 (EN 60529)	IP65 (EN 60529)
Environmental Limits			
Operating Temperature Range	-20°C to +60°C	-20°C to +60°C(>55°C derating)	-20°C to +60°C(>45°C derating)
Relative Humidity	0% to 98%(no condensation)	0% to 98%(no condensation)	0% to 98%(no condensation)
Maximum Altitude(above sea level)	0 to 2000m	0 to 2000m	0 to 2000m
Noise Level[dBA]	<45dB(with fan<50dB)	<45dB(with fan<50dB)	<45dB(with fan<50dB)
Communication			
Monitoring Connection	RS485, Ethernet	RS485, Ethernet	RS485, Ethernet
Software Upgrade	RS232(USB)	RS232(USB)	RS232(USB)
LCD Display	800 x 480 TFT Graphic Display	800 x 480 TFT Graphic Display	800 x 480 TFT Graphic Display
Standard Warranty	5 years(Optional 10~25 years)	5 years(Optional 10~25 years)	5 years(Optional 10~25 years)

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