



# SOLEOS OXYGEN 14\_21-TL3



**HIGH PERFORMANCE**  
MAX. EFFICIENCY 98.2%, EURO. EFFICIENCY 97.8%



**5 YEARS PRODUCT WARRANTY**  
GERMAN WARRANTY



**EXTREME ENVIRONMENT DURABILITY**  
IP65 DESIGN, WORK OUTDOOR

## Certificates



SOLEOS SOLAR GmbH  
Lise-Meitner-Straße 8 | 53332 Bornheim-Sechtem | Germany  
Tel: +49 2227 9291 0 | Fax: +49 2227 9291 22  
E-Mail: [info@soleos-solar.de](mailto:info@soleos-solar.de) | [www.soleos-solar.de](http://www.soleos-solar.de)

...let the sun energize you

# Technical Data



Description	OXYGEN 14-TL3	OXYGEN 18-TL3	OXYGEN 21-TL3
<b>Input(DC)</b>			
Max. PV-Generator Power W	13500	17600	21200
Max. DC voltage V		1000	
MPPT DC voltage Range V	400-800	440-850	480-850
Nominal DC voltage V		640	
Max.DC Current(A/B) A	22/11	22/22	22/22
Number of MPP Trackers		2	
DC Connection per MPPT		A:3 / B:3	
<b>Output(AC)</b>			
Nominal AC voltage[V]		3/N/PE,230/400	
Frequency[Hz]		50, 60	
Max. AC Power[W]	13000	17000	19200
Nominal AC Power[W]	13000	17000	19200
Max. AC Current[A]	20	26	28
Nominal AC Current[A]	18.8	24.6	28
Power Factor		0.9i ... 1 ... 0.9c	
Harmonic Distortion(THD)		<2%	
Power Consumption at Night[W]	<0.6	<0.6	<0.6
Power Consumption at Standby[W]	<12	<12	<12
<b>Efficiency</b>			
Max. Efficiency	98%	98.1%	98.2%
European Efficiency	97.5%	97.6%	97.8%
MPPT Efficiency		99.9%	
<b>Safety and Protection</b>			
DC Surge Protection		Type III	
DC Insulation Monitoring		Integrated	
Earth Fault Protection		Integrated	
Grid Monitoring		According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777	
Earth Fault Current Monitoring		According to VDE 0126-1-1, RD1699, ENEL, G59, AS4777	
Fuse Protection		Integrated	
DC Switch		Integrated	
<b>Normative Reference</b>			
CE Compliant According to		IEC62109,EN61000-6-2,EN61000-6-3, EN61000-3-12,EN61000-3-11	
<b>Dimensions and Weight</b>			
Dimension (WxHxD) [mm]		575x655x240	
Weight[Kg]		45	
Mounting Information		Wall Bracket	
IP Protection Type		IP65 (EN 60529)	
<b>Environmental Limits</b>			
Operating Temperature Range	-20 °C to +60 °C	-20 °C to +60 °C (>55 °C derating)	-20 °C to +60 °C(>55 °C derating)
Relative Humidity		0% to 98%(no condensation)	
Maximum Altitude(above sea level)		0 to 2000m	
Noise Level[dBA]		<45dB(with fan<50dB)	
<b>Communication</b>			
Monitoring Connection		RS485, Ethernet	
Software Upgrade		RS232(USB)	
LCD Display		800 x 480 TFT Graphic Display	
Standard Warranty		5 years(Optional 10-25 years)	

All characteristics under Standard Test Conditions (STC). We disclaim liability for errors and misprints.  
\* check warranty terms.

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