



SOLEOS OXYGEN 1300_2300



HIGH PERFORMANCE
MAX. EFFICIENCY 97.5%, EURO. EFFICIENCY 96.6%



5 YEARS PRODUCT WARRANTY
GERMAN WARRANTY



EXTREME ENVIRONMENT DURABILITY
IP65 DESIGN, WORK OUTDOOR

Certificates



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Technical Data



Description	OXYGEN 1300	OXYGEN 1800	OXYGEN 2300
Input(DC)			
Max. PV-Generator Power [W]	1300	1750	2300
Max. DC voltage [V]	500	500	500
MPPT DC voltage Range [V]	80-300	120 - 450	120 - 450
Nominal DC voltage [V]	80	80	120
Max.DC Current [A]	16	18	18
Nominal DC Current [A]		8.5	
Number of DC Connection		1	
DC-Connection		MC4	
Number of MPP trackers		1	
Turn on Power [W]		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)		
Harmonic Distortion(THD)	<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%		
European 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, RD1699, ENEL, G59, AS4777		
Earth Fault Current Monitoring	According to VDE 0126-1-1, RD1699, ENEL, G59, 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			
Dimension (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)	2000m		
Noise Level[dBA]	<40dB		
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 Communication Interfaces	RS485, Optional (Wi-Fi, GPRS, Ethernet)		
Computer Communication	RS232 as Option		
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.



SOLEOS OXYGEN 3400_5000



HIGH PERFORMANCE
MAX. EFFICIENCY 97.6%, EURO. EFFICIENCY 97.0%



5 YEARS PRODUCT WARRANTY
GERMAN WARRANTY



EXTREME ENVIRONMENT DURABILITY
IP65 DESIGN, WORK OUTDOOR

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Technical Data



Description	OXYGEN 3400	OXYGEN 4500	OXYGEN 5000
Input(DC)			
Max. PV-Generator Power [W]	3400	4500	5000
Max. DC voltage [V]		590	
MPPT DC voltage Range [V]		120 - 500	
Turn off DC voltage [V]		120	
Max.DC Current [A]	18/18	18/18	18/18
Nominal DC Current [A]	28	33	33
Number of DC Connection		2	
DC-Connection		MC4	
Number of MPP trackers		2	
Turn on Power [W]		10	
Output(AC)			
Max. AC Power[W]	3300	4400	4800
Nominal AC Power[W]	3000	4000	4600
Max. AC Current[A]	14.4	19.0	21.0
Nominal AC Current[A]	13	17.4	20
Grid voltage Range	According to VDE 0126-1-1, RD1663,ENEL2010,C10/11,G83/1, AS4777,EN50438		
Grid Frequency Range	According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777,EN50438		
Power Factor	0.99 (>30% of Full Load)		
Harmonic Distortion(THD)	<2%		
AC Connector	Plug-in connector		
Power Consumption			
Own Consumption in Operation [W]	45	50	50
Power Consumption at Night [W]		0	
Power Consumption at Standby [W]		6	
Efficiency			
Max. Efficiency (at 360VDC)	97.5%	97.6%	97.6%
European Efficiency (at 360VDC)	96.6%	97.0%	97.0%
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			
Dimension (WxHxD) [mm]	367x526x163		
Weight[Kg]	20	21	21
Environmental Limits			
IP Protection Type	IP 65 according to IEC 60529		
Operating Temperature Range	-20°C to +60°C up to 40°C without derating		
Relative Humidity	0% to 98%, no condensation		
Maximum Altitude(above sea level)	2000		
Noise Level[dBA]	<40		
General Data			
Isolation Type	Transformerless		
Cooling Concept	Convection		
Housing	Iron housing for inside and outside installation		
Mounting Information	Wall bracket		
Display	3 LED,Backlight, 16 x 2 Character LCD		
Data Communication Interfaces	RS485, Optional (Wi-Fi, GPRS, Ethernet)		
Computer Communication	RS232 as Option		
Standard Warranty	5 Years (Optional 10-25 years)		

*The Vdc should be at least 150V for the inverter to startup. This can drop down till 120V for MPPT to function correctly. All characteristics under Standard Test Conditions (STC).We disclaim liability for errors and misprints. Check warranty terms.

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