



Duraluxe Sun Series Solar Inverters: Three-Phase
Technical Data sheet



DURALUXE SUN

8000TL/ 10000TL/ 12000TL/ 15000TL

	DS 8000TL	DS 10000TL	DS 12000TL	DS 15000TL
Input (DC)				
Max. DC power	8200W	10300W	12500W	15500W
Max. DC voltage in an open circuit	1000V	1000V	1000V	1000V
MPPT voltage range	400 ~ 800V	400 ~ 800V	400 ~ 800V	400 ~ 800V
Max. Input current	3x8A	3x9A	3x10A	3x12A
Norminal DC voltage	650V	650V	650V	650V
Number of MPPT trackers	3	3	3	3
Output (AC)				
AC norminal power	8000W	10000W	12000W	15000W
Max. AC apparent power	8000W	10000W	12000W	15000W
Norminal AC voltage/range	3x220±20%	3x220±20%	3x220±20%	3x220±20%
AC grid frequency	50±5 Hz	50±5 Hz	50±5 Hz	50±5 Hz
Norminal output current	3x13A	3x16A	3x19A	3x23A
Max. output current	3x13A	3x16A	3x19A	3x23A
Power factor	>0.99	>0.99	>0.99	>0.99
Connection phases	Three Phase	Three Phase	Three Phase	Three Phase
Current THD	<5%	<5%	<5%	<5%
Efficiency				
Max. efficiency	97.5 %	97.6%	97.8%	97.8%
Euro efficiency	>96.5%	>96.8%	>97.0%	>97.0%
MPPT adaptation efficiency	99.9%/99.6%	99.9%/99.6%	99.9%/99.6%	99.9%/99.6%
Safety equipment				
Internal overvoltage protection	Integrated			
DC Insulation monitoring	Integrated			
Earth fault protection	Integrated			
Mains monitoring	Integrated			
Earth fault current monitoring	Integrated			
DC current monitoring	Integrated			
Islanding effect monitoring	Integrated			

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General Data				
Width/Height/Depth mm	690x510x285	690x510x285	690x510x285	690x510x285
Weight	55kg	55kg	55kg	55kg
Housing	Steel housing for inside and outside installation			
Mounting information	Wall mount			
Operating temperature range	– 20°C to + 55°C (up 40°C derating)			
Relative humidity	0% to 98%, no condensation			
Site altitude	Up to 2000m without derating above sea level			
Protection rating	IP54			
Isolation type	Transformerless			
Power consumption at night	0			
Power consumption at standby	<7W			
Cooling concept	Convection (no fan required)			
Noise level	50dBA			
LCD display	LCD, 4-line, 16-character with keypad,backlight			
Data logger	RS485			
Data communication interfaces	RS485			
Computer communication	RS485			
Standard warranty(Optional)	Five years			



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