



Duraluxe Sun Series Solar Inverters
Technical Data sheet



DURALUXE SUN

1500TL/ 2000TL/ 2800TL/ 4000TL

	DS 1500TL	DS 2000TL	DS 2800TL	DS 4000TL
Input (DC)				
Max. DC power	1725W	2300W	3220W	4600W
Max. DC voltage in an open circuit	450V	500V	500V	500V
MPPT voltage range	150～405V	150～450V	150～450V	150～450V
Max. Input current	9A	9.7A	13.5A	20A
Norminal DC voltage	360V	370V	370V	370V
Number of MPPT trackers	1	1	1	1
Output (AC)				
AC norminal power	1500W	2000W	2800W	4000W
Max. AC apparent power	1650W	2200W	3080W	4400W
Norminal AC voltage/range	230V / 192~260V	230V / 192~260V	230V / 192~260V	230V / 192~260V
AC grid frequency	50Hz/ 60Hz	50Hz/ 60Hz	50Hz/ 60Hz	50Hz/ 60Hz
Norminal output current	7A	9A	12A	17A
Max. output current	7.5A	9.5A	13.5A	19A
Power factor	>0.99	>0.99	>0.99	>0.99
Connection phases	Single phase			
Current THD	<2%,at nominal power			
Efficiency				
Max. efficiency	97%	97.2%	97.2%	97.3%
Euro efficiency	96.5%	96.7%	96.7%	96.8%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%
Safety equipment				
Internal overvoltage protection	Integrated			
DC Insulation monitoring	Integrated			
Earth fault protection	Integrated			
Mains monitoring	According to VDE 0126-1-1, GB/T 19939			
Earth fault current monitoring	According to VDE 0126-1-1, GB/T 19939			
DC current monitoring	According to VDE 0126-1-1, GB/T 19939			
Islanding effect monitoring	AFI (According to VDE 0126-1-1), IEC 62116			

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General Data				
Width/Height/Depth mm	300x410x140	300x410x140	300x410x140	408x600x198
Weight	14kg	15kg	15kg	20kg
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	IP 65 according to IEC 60529			
Isolation type	Transformerless			
Power consumption at night	0			
Power consumption at standby	<7W			
Cooling concept	Convection (no fan required)			
Noise level	<35dBA			
LCD display	LCD, 1-line, 16-character with keypad,backlight			
Data logger	RS232, RS485 (Optional)			
Data communication interfaces	RS232, RS485 (Optional)			
Computer communication	RS232, RS485 (Optional)			
Standard warranty(Optional)	Five years			



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