

Duraluxe Sun Series Solar Inverters
Technical Date sheet



DURALUXE SUN

1500TL / 2000TL / 2800TL / 4000TL

	DS 1500TL	DS 2000TL	DS 2800TL	DS 4000TL
Input (DC)				
Max. DC power	1760W	2320W	3180W	4630W
Max. DC voltage in an open circuit	450V	500V	500V	500V
MPPT voltage range	100 ~ 400V	150 ~ 450V	150 ~ 450V	150 ~ 450V
Max. Input current	8A	8A	13A	20A
Norminal DC voltage	360V	400V	400V	400V
Number of MPPT trackers	1	1	1	1
Output (AC)				
AC nominal power	1500W	2000W	2800W	4000W
Max. AC apparent power	1650W	2200W	3000W	4400W
Norminal AC voltage/range	230V / 190~260V	230V / 190~260V	230V / 190~260V	230V / 190~260V
AC grid frequency	50Hz	50Hz	50Hz	50Hz
Norminal output current	7A	9A	13A	17A
Max. output current	9A	9A	15A	22A
Power factor	>0.99	>0.99	>0.99	>0.99
Connection phases	Single phase			
Current THD	<3%,at nominal power			
Efficiency				
Max. efficiency	96%	97.1%	97.2%	97.2%
Euro efficiency	95%	96%	96.2%	96.2%
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			
Earth fault current monitoring	According to VDE 0126-1-1, GB			
DC current monitoring	According to VDE 0126-1-1, GB			
Islanding effect monitoring	AFI (According to VDE 0126-1-1)			
Normative reference				
CE-compliant according to	EN50178, EN61000-6-1, EN61000-6-3, EN61000-6-2, EN61000-6-4 EN61000-3-2, EN61000-3-3 EN61000-3-12, EN61000-3-11			

DS 1500TL**DS 2000TL****DS 2800TL****DS 4000TL****General Data**

Width/Height/Depth mm	340x500x165	340x500x165	340x500x165	408x600x198
Weight	15kg	16kg	16kg	20kg
Housing	Steel housing for inside and outside installation			
Mounting information	Wall mount			
Operating temperature range	- 20°C to + 60°C (up 40°C derating)			
Relative humidity	0% to 95%, 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	<0.2W			
Power consumption at standby	6W			
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			

