



DC Input - PV Module

	R7515TL	R1115TL	R1015 TL	R1415 TL
DC power (kWp)	50 - 75	80 - 110	70 - 100	110 - 140
MPPT voltage range(V _{DC})	675 - 1,450 V		850 - 1,450 V	
Max input current (A _{DC})	125	150	125	150
DC-voltage ripple (%)	<2%			
Absolute max. Voltage (V _{DC})	1,500 V			
Number of MPPT	1			
Number of input max in parallel	16 string	24 string	16 string	24 string
Reverse polarity protection	•			
DC input connection	Fuse Holder or MC4 (optional)			
Overvoltage protection	SPD varistor device Class II (optional Class I+II)			

AC Output grid

Max Power @25°C/50°C (kW) *(Note 1)	60 / 50	90 / 80	80 / 70	120 / 110
Nominal Apparent Power S _{max} @25°C/50°C (kVA)	60 / 50	90 / 80	80 / 70	120 / 110
Max current @25°C/50°C (A _{RMS})	86 / 73	130 / 116	85 / 75	126 / 116
Max unbalance current	< 2%			
Operating voltage range (V _{RMS})	400 ±10%		550 ±10%	
Nr Phase	3-phase (L1-L2-L3-PE)			
Frequency (Hz)	50/60 Hz			
Distortion factor (THD) *(Note 2)	< 3%			
Power Factor *(Note 3)	From 0 to 1 inductive or capacitive			
AC input connection	Magneto-thermic circuit breaker			
Galvanic insulation	No (transformerless)			

General Data

Maximum efficiency	99 %			
European efficiency	98.6 %			
Night consumption (W)	< 10 W			
Weight (kg) *(Note 4)	100 kg	120 kg	100 kg	120 kg
Protection degree	IP65			
Cooling	Air forced, heatsink cooling fans speed temperature controlled			
Dimensions (WxHxD mm) *(Note 4)	770x1,000x378 mm			
Noise level (dBA)	< 70 dBA			
Operating temperature (°C)	-10° C ÷ +55° C			
Storage temperature (°C)	-20° C ÷ +60° C			
Height above the sea (without derating) *(Note 5)	1,000 m			
Air Flow	500 m³/h	600 m³/h	500 m³/h	600 m³/h
Max power dissipated in overload condition	840 W - 720 Kcal/h	1,260 W - 1,080 Kcal/h	1,120 W - 960 Kcal/h	1,680 W - 1,440 Kcal/h
Overvoltage category	II			
Colour	RAL 9006			

Note 1: Valid at P.F.=1 and Vac nominal

Note 2: THD is lower than 3% for inverter power greater than 25%.

Note 3: P-Q capability is semicircular.

Note 4: The final weight/dimension are dependent from the DC string connection solution chosen.

Note 5: In case of higher altitudes, please contact Factory for details.



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