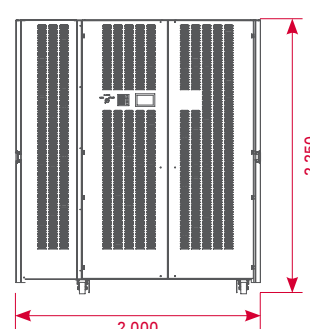
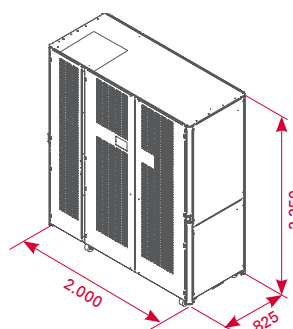
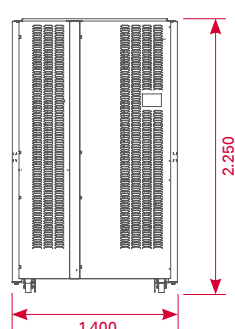
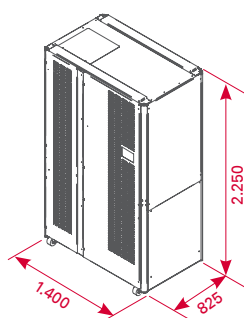


S3750 TL

1.000Vdc - 345kVA

S7500 TL

1.000Vdc - 690kVA



DC Input - PV Module

Model	S3750 TL	S7500 TL
Nr. Power stack	5	10
Battery voltage Range (V_{DC}) (Note 1)	485 – 1.000	485 – 1.000
DC voltage range at the max. power (V_{DC})	485 – 1.000	485 – 1.000
Battery type	Li-ion, Lead, Ni-Cd, NaNiCl ₂	Li-ion, Lead, Ni-Cd, NaNiCl ₂
Absolute Maximum Voltage (V_{DC})	1.000	1.000
Maximum input current (A_{DC}) @ 25°C of ambient temperature	800	1.600
Voltage Ripple	<2%	<2%
Number of input max in parallel	4	4
Overvoltage Protection	SPD varistor device Class II (optional Class I+II)	SPD varistor device Class II (optional Class I+II)
DC input connection	DC Switch under load	DC Switch under load
Reverse Polarity Protection	Yes	Yes

AC Output grid

Max Power (kW) (Note1)	345	690
Max Apparent Power (kVA)	345	690
Max Current (A_{AC})	740	1480
Max unbalance Current	< 2%	< 2%
Nominal Voltage (V_{AC})	270	270
Frequency (Hz)	50 / 60	50 / 60
Nr Phase	3 (L1 – L2 – L3 – PE)	3 (L1 – L2 – L3 – PE)
Aux Supply (Normal Line)	230Vac – 16A – 50/60Hz (L-N)	230Vac – 16A – 50/60Hz (L-N)
Aux Supply (Preferential Line)	230Vac – 10A – 50/60Hz (L-N)	230Vac – 10A – 50/60Hz (L-N)
Distortion factor (THD) (Note 2)	<3%	<3%
Power Factor (Note 3)	from 0 to 1 inductive or capacitive	from 0 to 1 inductive or capacitive
Galvanic insulation	No (Transformer less)	No (Transformer less)
AC input connection	magneto-thermic Circuit Breaker (MCCB)	magneto-thermic Circuit Breaker (MCCB)

General Data

Max Efficiency	98,9%	98,9%
European Efficiency	98,6%	98,6%
Night consumption (W)	<60	<60
Weight (kg)	1.100	1.600
Protection degree	IP20	IP20
Cooling	Air forced cooling fan speed controlled	Air forced cooling fan speed controlled
Air Flow	2.400 m ³ /h	4.800 m ³ /h
Maximum power dissipated in overload condition	12,5 kW - 10.705 Kcal/h	24,9 kW - 21.410 Kcal/h
Noise level	70dBa	70dBa
Dimensions (H x L x P)	2.250 x 1.400 x 825	2.250 x 2.000 x 825
Operating temperature (°C)	- 10 ÷ +50	- 10 ÷ +50
Storage temperature (°C)	- 20 ÷ +60	- 20 ÷ +60
Humidity (Not condensing) (%)	0 ÷ 95	0 ÷ 95
Height above the sea without derating (Note 4)	1.000 m	1.000 m
Overvoltage Category	II	II
Color	RAL 9006	RAL 9006

Note 1: valid at PF=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: above 1000m derate the Maximum Operating Temperature of 0.4 °C per 100 m up to 3000 m a.s.l.

above 2000m derate the Absolute Maximum DC Voltage of 1.3 % per 100 m up to 3000 m a.s.l.

above 2000m derate the Maximum BATTERY Voltage of 1.2 % per 100 m up to 3000 m a.s.l.

(contact Factory for details).

Note: Each inverter must be connected separately to its own LT/MT transformer or it has to be connected to a separate LT secondary input of the LT/MT transformer. Two or more inverters cannot be connected in parallel to the same LT secondary input of the LT/MT transformer.