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MV Central Storage inverters S9900TL

935kW - 1.000V

Technical data

Type code	S9900TL
Battery voltage range (V_{DC}) [1]	625 - 1.000 V
DC voltage range at the max. power (V_{DC})	645 - 1.000 V
Battery type	Li-on, Lead, Ni-Cd, $NaNiCl_2$
Absolute maximum voltage (V_{DC})	1.000
Maximum input current (A_{DC}) @25° of ambient temperature	1.600 A
Voltage ripple (%)	<2%
Number of input max in parallel	4
Overvoltage Protection	SPD varistor device Class II (Opt. Class I+II)
DC input connection	DC Switch under load
Reverse polarity protection	Yes
AC Output grid	
Max Power (kW) [1]	935 kW
Max Apparent Power (kVA)	935 kVA
Maximum Current (A_{AC})	1.460 A
Max unbalance current	< 2%
Nominal Voltage (V_{AC})	370 V_{RMS}
Nr. Phase	3-phase (L1 – L2 – L3 – PE)
Frequency (Hz)	50/60 Hz
Aux. supply (Normal line)	230V_{AC} - 16A - 50/60Hz (L-N)
Auxiliary supply (Preferential line)	230V_{AC} - 10A - 50/60Hz (L-N)
Distortion factor (THDi) [2]	<3%
Power Factor [3]	From 0 to 1 inductive or capacitive
Galvanic insulation	No (transformerless)
AC input connection	Magnetothermic circuit breaker (MCCB)
General Data	
Maximum efficiency	98.90%
European efficiency	98.6%
Night consumption (W)	< 60 W
Weight (kg)	1.600 kg
Protection degree	IP20
Cooling	Air forced cooling fan speed controlled
Air Flow	4.800 m³/h
Maximum power dissipated in overload condition	24,9 kW - 21.410 Kcal/h
Dimensions (W x D x H)	2.400x760x2.240 mm
Noise level (dBA)	< 70 dBA
Operating temperature (°C)	-10° C +50° C
Storage temperature (°C)	-20° C +60° C
Humidity (Not condensing) (%)	0 ÷ 95%
Height above the sea (without derating) [4]	1.000 m
Overvoltage Category	II
Color	RAL 9006

1) Valid at P.F.= 1 and Vac nominal.
2) THDi is lower than 3% for inverter power greater than 25%.
3) P-Q capability is semicircular.
4) From 45°C to 53°C derating of power.
5) Above 1.000 m a.s.l. derating of the power of 1% per 100 m. (contact factory for details).

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

Remark. Features not specifically listed in the present data sheet are not included in the product

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For more information please contact your local FIMER representative or visit:

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910.400.233GB REV00