

MEDIUM SIZED STAND-ALONE GRIDS

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Single phase inverter for medium sized stand-alone grids

A single phase grid for consumptions of up to 10 kVA, based on renewable energy sources and/or accumulators. Stainless steel housing.

Designed for a two-way connection to the utility grid

The system has been designed with an advanced algorithm MPPT to maximize the power output.

Functions as an energy manager

To guarantee the balance between power generation, accumulation and consumption, connecting the back-up generator whenever

necessary. PV array ground-fault monitor with a short-circuitable output suitable for motor start-up.

Easy to install

The inverter parameter configuration, control and monitoring can either be performed on-site using the front display and keypad or remotely through the Ingecon® Sun Manager software.

Software included

It includes, without any extra cost, the software Ingecon® Sun Manager for displaying and recording the data directly from the inverter.

Standard 3 year warranty, extendable for up to 25 years.

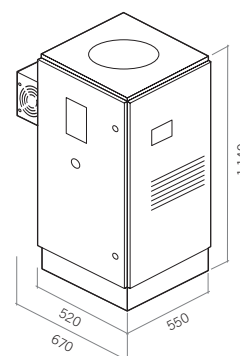


PROTECTIONS

- Integrated electrical protections against transient voltage surges through varistors, and against a PV array insulation failure.
- Output short-circuit and overload protections.

Size and weight (mm)

10
200 kg.



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PV Input	
Voltage range	180 - 450 Vdc
Power	10 kW
Battery Input	
Rated voltage	120 Vdc
Maximum bank current	100 A
Auxiliary Input	
Electricity generator automatic management	
Battery charging from the auxiliary input	
Output	
Rated power	10 kVA
Output voltage	220 - 250 Vac single - phase
Output frequency	50 - 60 Hz
THD	<4%
Phi Cosine	-1 to 1
Grid connection	
Battery charge power	10 kW
Consumption power	10 kVA
Efficiency	
Efficiency	>93%
General Information	
Ambient temperature	-10°C to +45 °C
Protection class	IP 20

* Only the first battery charger module has an additional PV array input.
 ** Maximum number of modules.

Compliance with standards: CE.

Wiring diagram

