INGECON SUN

Power
With transformer

125 U 208 Outdoor / 125 U 480 Outdoor

THE BEST PERFORMANCE AT MEDIUM AND LARGE OUTDOOR INSTALLATIONS

Designed for ease of maintenance, capable of withstanding extreme temperatures, and featuring full electric protections as a standard supply, the INGECON® SUN Power 125 U Outdoor inverter is one of the latest Ingeteam's developments. It has been especially designed for medium and large outdoor installations.

Easy to install and maintain

The INGECON® SUN Power 125 U inverter has been manufactured with components which offer a useful life of more than 20 years. This inverter is equipped with an advanced maximum power point tracking system (MPPT) to obtain the maximum power from the PV array.

No additional items are required and it can be manually disconnected from the grid.

Software included

It includes, without any extra cost, RS-485 communications as well as the software INGECON® SUN Manager, INGECON® SUN Monitor and its iSun Monitor Smartphone version for monitoring, displaying and recording the data from the inverter through the Internet. Each inverter incorporates an internal data logger for up to 3 months data storage, which can be accessed from either a remote PC or on-site from the inverter front panel, through a keypad.

Standard 5 year warranty, extendable for up to 20 years

PROTECTIONS

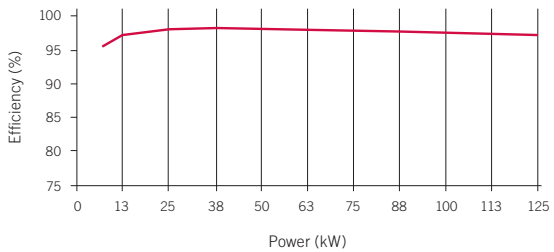
- Reverse polarity.
- Output short-circuits and overloads.
- Insulation failures.
- Anti-islanding with automatic disconnection.
- AC MT and DC breaker.
- AC and DC surge arresters.
- Plus/minus grounding PV modules.
- Galvanic isolation between the DC and AC sides.

OPTIONAL ACCESSORIES

- Inter-inverter communication via Ethernet. For other communications, please check availability.
- DC fuses.

EFFICIENCY

INGECON® SUN 125 U 208 Outdoor
Vdc = 350 V



www.ingeteam.com
solar.us@ingeteam.com

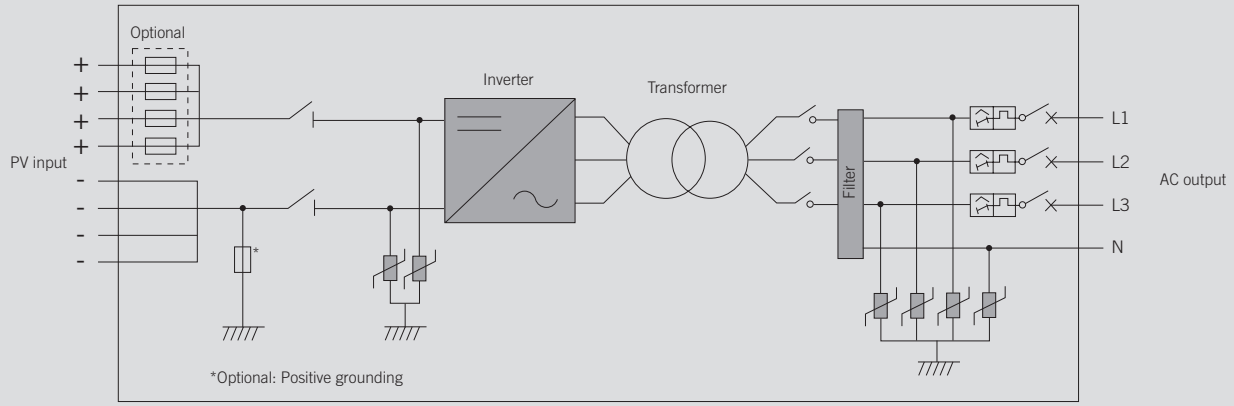
Ingeteam

	125 U 208 Outdoor	125 U 480 Outdoor
Input (DC)		
Recommended PV array power range[1]	127 - 168 kWp	128.5 - 168 kWp
Voltage range MPP	330 - 820 V	330 - 820 V
Maximum voltage DC[2]	1,000 V	1,000 V
Maximum current DC	390 A	390 A
DC inputs	4	4
MPPT	1	1
Output (AC)		
Rated power AC[3]	125 kW	125 kW
Maximum current AC	347 A	151 A
Rated voltage AC	208 V	480 V
Frequency AC	50 / 60 Hz	50 / 60 Hz
Phi Cosine[4]	1	1
Phi Cosine adjustable	Yes. Smax=125 kVA	Yes. Smax=125 kVA
THD[5]	<3%	<3%
Efficiency		
Maximum efficiency	98.4%	97.3%
CEC - Weighted efficiency	98%	97%
General Information		
Air cooling	15.2 ft³/s	15.2 ft³/s
Stand-by consumption[6]	30 W	30 W
Consumption at night	1 W	1 W
Ambient temperature	-4ºF to 149ºF (-20ºC to 65ºC)	-4ºF to 149ºF (-20ºC to 65ºC)
Max. altitude[7]	9,842 ft (3,000 m)	9,842 ft (3,000 m)
Relative humidity (non-condensing)	0 - 95%	0 - 95%
Protection class	NEMA 3R	NEMA 3R

Notes: [1] Depending on the type of installation and geographical location [2] Must not be exceeded under any circumstances. Consider the voltage increase of the 'Voc' at low temperatures [3] AC power for 122ºF (50ºC) ambient temperature. The output power will be reduced at the rate of 1% for each 1ºF (0.56ºC) of increase [4] For P_{out}>25% of the rated power [5] For P_{out}>25% of the rated power and voltage in accordance with IEEE 1547.1 [6] Consumption from PV field [7] Over 3,280 ft (1,000 m) temperature for rated power (122ºF / 50ºC) is reduced 2.42 ºF each 1,000 ft.

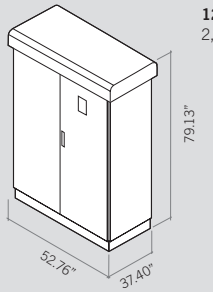
Compliance with standards: UL 1741, IEEE 1547, NEC 690, ANSI/NEMA 70, CE, CODE, FCC Part 15B (class A).

Power U



Size and weight

(inches and pounds)



125 U Outdoor
2,645 pounds

Ingeteam