

Split-phase hybrid inverter — 6.5 kW

120/240 V output · 60 Hz · 48 V battery · dual MPPT

6,500 W OUTPUT	13,000 VA PEAK	2 MPPT 10,000 W PV	10 ms TRANSFER
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- **120/240 V output** — runs as single-phase or split-phase, depending on how the house is wired.
- **Dual MPPT, 5,000 W each** — 18 + 18 A input current.
- **Grid or generator charging up to 80 A**, hybrid grid + solar charging up to 140 A.
- **Grid input 65–140 V AC** — rides through unstable grids.
- **BMS communication** with lithium batteries (RS485 / CAN).
- **Up to 6 units in parallel**. Low-frequency version with toroidal transformer available on request.

OUTPUT AND INVERTER

Rated power	6,500 W
Peak power	13,000 VA
Output voltage	120/240 Vac
Frequency	50 / 60 Hz
Waveform	Pure sine wave
Transfer time	10 ms (typical)
Parallel	1 – 6 units
Max efficiency	93%

INPUTS AND GENERAL DATA

Battery	48 Vdc (40–60 V)
Battery type	Lithium / lead-acid
Grid or generator charge	80 A
Hybrid charge	140 A
PV per MPPT	5,000 W + 5,000 W
Max PV Voc	550 V + 550 V
MPPT range	150 – 450 Vdc
Grid input	65 – 140 Vac
Communication	RS485 / CAN / USB
Dimensions	584.6 × 410 × 133 mm
Weight	18.9 kg
Protection	IP20 — indoor
Temperature	–10 °C ~ +55 °C
Warranty	5-year warranty

Product supplied under the ICO GP, S.A. brand. Figures taken from the official factory documentation. Specifications subject to technical improvement without notice. Rev. 08/2026.