

2026 CATALOG

Solar Systems and Batteries

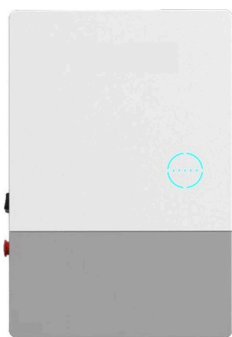
2 products



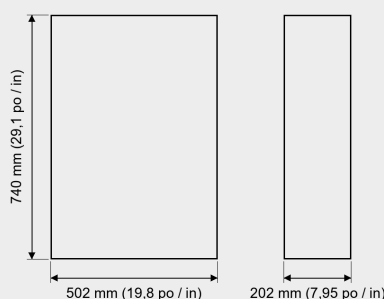
Updated October 4, 2026

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DIMENSIONS (W × H × D): 502 × 740 × 202 MM



PANELS, BATTERY AND GRID MANAGED BY ONE UNIT

11.5 kW single-phase hybrid inverter: it manages solar panel production, battery charging and the grid connection, and switches to backup in under 2 ms during an outage. Type 4X outdoor enclosure, 97.6% peak efficiency, up to 10 inverters in parallel.

FEATURES

- 11.5 kW on-grid · 9.6 kW off-grid
- Backup switchover < 2 ms
- Panels: 14.4 kW recommended, 550 V
- Lithium or lead-acid batteries, 40-60 V
- Type 4X enclosure, -25 to 65 °C
- 10-year warranty

ENERGY · INPUTS

Recommended PV	14,400 W
Max. PV voltage	550 V
Max. PV current	32 / 32 A, 2 MPPT
Battery	Lithium-ion / lead, 40-60 V
Charge / discharge	200 A · 9,600 W

OUTPUTS

On-grid	11,520 W, 240 V (211-264) / 208 V (183-229)
Off-grid	9,600 W, 120/240 V
Switchover	< 2 ms (single unit)
Efficiency	97.6% max. · CEC 97.0%

PHYSICAL

Weight	41 kg (90.4 lb), wall
Enclosure	Type 4X
Temperature	-25 to 65 °C
Warranty	10 years



11.5 KW HYBRID SOLAR INVERTER - 120/240 V

LCSOLARS-INVERTER-11K5-HYB

ORDERING

Build the product code

1

Code

LCSOLARS-INVERTER-11K5-HYB 11.5 kW hybrid inverter

EXAMPLE

LCSOLARS-INVERTER-11K5-HYB

11.5 kW hybrid inverter

PRODUCT RANGE — ALL ACTIVE CODES

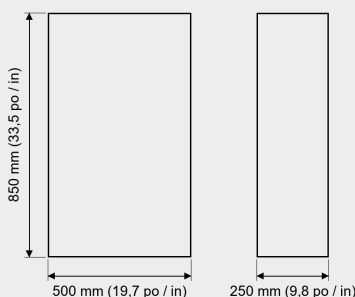
Code	Description
LCSOLARS-INVERTER-11K5-HYB	11.5 kW single-phase hybrid inverter

PV input: nominal 380 V, start-up 150 V, MPPT range 125-500 V, max. short circuit 40 / 40 A. On-grid output: 48 A max., power factor > 0.99, 60 Hz. Off-grid: 120/240 V split phase (120/208 V), 40 A continuous, 19,200 VA peak for 10 s.
Grid profile: US_IEEE1547 at 240 V, IEEE1547_208V at 208 V (manufacturer sheet).
General: 502 × 740 × 202 mm; derated above 45 °C; humidity 0-95% non-condensing; altitude ≤ 2,000 m; natural convection, noise < 40 dB; LED + app, RS485, Wi-Fi / Ethernet; up to 10 inverters in parallel.
Built-in protections: anti-islanding, PV arc-fault detection, reverse polarity, module-level rapid shutdown, insulation resistance, residual current, AC overcurrent, short circuit, over/under voltage; surge protection DC type II, AC type III.
Certifications (published description): UL 1741, UL 1741 SB, CSA C22.2 No. 107.1, IEEE 1547-2018, UL 1699B. Pairs with the 16 kWh LiFePO4 battery LCSOLARS-BATTERY-16K-LFP.
Installation by a qualified person, per the Electrical Code.





DIMENSIONS (W × H × D): 500 × 850 × 250 MM



STORE SOLAR ENERGY AND BACK UP THE HOME DURING OUTAGES

16 kWh residential lithium iron phosphate (LiFePO₄) battery, 314 Ah at 51.2 V, for a solar system with storage or as backup power. IP65 outdoor enclosure, built-in battery management system (BMS), up to 15 batteries in parallel (240 kWh).

ENERGY

Chemistry	LiFePO ₄
Nominal energy	16 kWh
Nominal capacity	314 Ah
Nominal voltage	51.2 V (42.0 – 57.6 V)
Cycles	6,000 at 80% DOD, 25 °C
Lifespan	15+ years (25 °C)

OUTPUTS

Max. charge / discharge	150 A continuous
Communication	CAN / RS485
Expansion	Up to 15 in parallel

FEATURES

- 16 kWh · 314 Ah · 51.2 V
- LiFePO₄ chemistry
- 6,000 cycles at 80% depth of discharge
- Outdoor IP65 enclosure, floor-standing
- Up to 15 units in parallel
- UL1973 · UL9540A · UN38.3

PHYSICAL

Weight	≈ 127 kg with stand
Discharge	-20 to 60 °C
Certifications	UL1973, UL9540A, UN38.3

LOCATION RATING · IP65

✓ Dry

✓ Damp
(covered)

✗ Wet

ORDERING

Build the product code

1 Code

LCSOLARS-BATTERY-16K-LFP 16 kWh LiFePO4

EXAMPLE

LCSOLARS-BATTERY-16K-LFP

16 kWh battery

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCSOLARS-BATTERY-16K-LFP	16 kWh LiFePO4 battery, 314 Ah, 51.2 V

Operation: charge voltage 57.6 V, discharge cut-off 42.0 V, recommended depth of discharge 80%; charging from 0 to 60 °C; humidity 95% RH max., altitude < 2,000 m; natural convection cooling; floor installation; mobile app monitoring.

Built-in protections (BMS): overcharge, over-discharge, over-temperature, overcurrent, short circuit.

Pairs with the 11.5 kW hybrid inverter LCSOLARS-INVERTER-11K5-HYB (40-60 V batteries).

Applications: residential solar with storage, outage backup, off-grid (cottage), peak-demand reduction.

Installation by a qualified person, per the Electrical Code.