

Pika Islanding Inverter™ / X7601

Solar + Storage + Grid. One Inverter.



Storage-ready, 7.6kW bi-directional inverter

- Connects solar, storage, loads, and the grid
- Supports 120/240V critical loads with no autotransformer
- Compatible with 380V smart batteries
- Cheaper and simpler than AC-coupled systems
- Higher efficiency than traditional DC-coupled systems
- Network multiple inverters for larger systems

The Pika Islanding Inverter is the hub of the Pika Energy Island, ideal for backup power, self consumption, and energy arbitrage. Using the REbus™ 380VDC nanogrid, the Pika Islanding Inverter directly connects to advanced high voltage Li-ion batteries using no additional storage interface.

Contact Pika Energy for a list of compatible smart battery solutions.





Applications:

- Grid-interactive with battery backup
- Self-supply / zero-export
- Load shifting / demand charge reduction
- DC microgrids

Features:

- Bi-directional energy flow
- High-efficiency coupling to PV and batteries
- Cost-effective single-stage design
- Flexible transfer switch options
- Auxiliary grid sensing
- Built-in automatic 50A bypass switch

X7601 Specification

Max continuous power	± 7600W (surge to ± 11400W for 3-sec)
Nominal AC output	120/240V, 60Hz
Input	360-440VDC; REbus™ DC nanogrid (380V DC plus data)
Bus control	REbus VCCR™ dynamic droop control
Efficiency	98% peak, 97% CEC weighted
Cooling	Forced convection
Certification	UL 1741, CSA C22.2
Topology	Single-stage; non-isolated
Communication	CAN/Modbus, Ethernet
Protections	Ground fault, arc fault
On-to-off grid transition time	< 1 second
User interface	LCD touch pad
Remote monitoring	Ethernet, REview dashboard
Enclosure	Outdoor rated, NEMA 3R (powder-coated steel chassis)
Min-Max Operating Temperature	-20°C to +50°C (-4°F to +122°F)
Weight	28.44kg (62.70lb)
Dimensions	489mm x 622mm x 203mm (19.25" x 24.5" x 8")
Limited warranty	10 years (extendable to 20 years)