12kW
SPLIT-PHASE HYBRID INVERTER

On-Grid | Grid-Connected | Hybrid

12kW split-phase off-grid inverter designed, programmed, and manufactured in the United States, with no foreign entity control over the hardware, software, or supply chain.



- Intuitive touchscreen interface for seamless navigation
- Built to withstand electrical AC surges
- Integrated protection for peace of mind
- USB / RS485 / WiFi
- AC Breaker Communication
- US-based software. Idaho-based technical support team. No foreign entity dependencies.

FEOC COMPLIANT

RSD (RAPID SHUTDOWN)

SPECIFICATIONS

AC & DC INPUT / OUTPUT

Rated Output Power	12,000W total (6000W x 2)
Rated AC Voltage	120 / 240Vac
Max AC Input Power	7200W (Single) / 12000W (Split)
Max AC Current Bypass	1500W
AC Output	63A per leg
PV Power	120 / 240Vac
MPPT Voltage Range	90-450VDC

MPPT INPUTS

MPPT Quantity	2
Max MPPT Input Current	22A per MPPT
Max MPPT Voltage	450VDC

BATTERY

Battery Voltage Range	40-58.6VDC
Battery Charge Current	220A
Battery Discharge Current	270A
Battery BMS Communication	RS485
Max Parallel Units	6

AMERICAN INNOVATION. ENERGY INDEPENDENCE.

Built for a stronger, more resilient tomorrow.

U.S. MANUFACTURED | VETERAN OWNED | FEOC COMPLIANT | CLEAN ENERGY | RELIABLE POWER

Rev 1.2 | September 2026

Specifications subject to change without notice. Actual performance may vary based on operating conditions and system configuration.