

A close-up photograph of the SolarBridge Pantheon II integrated microinverter. The device is a rectangular metal enclosure with a black interior panel. The text "PANTHEON II INTEGRATED MICROINVERTER" is printed in white on the black panel. To the right, the SolarBridge Technologies logo is visible, featuring a yellow arc above the text "SOLARBRIDGE TECHNOLOGIES™". A yellow horizontal bar is positioned below the product name. A black cable is plugged into the left side of the device.

PANTHEON II INTEGRATED MICROINVERTER

SOLARBRIDGE
TECHNOLOGIES™

DELIVER ROOF-READY AC MODULES POWERED BY SOLARBRIDGE

Now, with the new SolarBridge Pantheon II integrated microinverter, solar module manufacturers can offer higher power, roof-ready AC modules. The Pantheon II matches the performance and lifetime of the most advanced solar modules.

SolarBridge partners with the industry's top solar panel manufacturers to integrate its microinverters onto modules before they ship. The final products are true AC modules with unrivaled reliability and superior power that enable the fastest, easiest installation possible. Built to last, the Pantheon II is backed by a 25-year warranty.

REDUCE INSTALLATION COSTS

- Cut field installation time up to 50%
- Minimize training time with plug-and-play AC modules
- Reduce material costs with fewer components

MAXIMIZE ENERGY HARVEST

- Capture up to 25% more energy per site over central and string inverter-based systems
- Optimize output with module-level maximum power point tracking (MPPT)
- Expand business opportunities with more qualified installation sites

DELIVER THE SAFEST SOLUTION

- Prevent arc failures caused by DC field wiring, the leading cause of fires in PV systems
- Assist emergency first responders with easy AC module system power shutoff
- Keep installers safe by eliminating high-voltage DC on rooftops

EXPECT SUPERIOR RELIABILITY

- Extend the life of PV systems with an integrated 25-year warranty that matches module life expectancy
- Ensure performance with a patented architecture that leverages failure-proof film capacitors
- Count on a product certified to UL standards that withstands the same rigorous quality and reliability testing as solar modules

For more information about the new SolarBridge Pantheon II integrated microinverter, call (877) 848-0708 today or go to solarbridgetech.com/pantheon2.

SIMPLY POWERFUL SOLAR

SOLARBRIDGE
TECHNOLOGIES™

SPECIFICATIONS

INPUT (DC) DATA	P250LV-208/240	P250HV-208/240
Recommended STC Module Input Power Rating	235 W–280 W	235 W–280 W
Maximum Continuous Input Power	250 W	250 W
Maximum Input Voltage	48 V	64 V
MPPT Voltage Range	18 V–37 V	25 V–50 V
Maximum Power Voltage Range	25 V–37 V	33.5 V–46 V
Maximum DC Short Circuit Current	15 A	15 A
Maximum Input Current	10 A	7.5 A

OUTPUT (AC) DATA	
Maximum Continuous Output Power	238 W
Nominal Output Current	@240 VAC 0.99 A
	@208 VAC 1.14 A
Operating Voltage Range	@240 VAC 211 V–264 V
	@208 VAC 183 V–229 V
Adjustable Voltage Range	168V–270V
Operating Frequency Range	59.3 Hz–60.5 Hz
Adjustable Frequency Range	57 Hz–62.5 Hz
Power Factor	> 0.99
Total Harmonic Distortion	IEEE 1547 Compliant

MECHANICAL DATA	
Ambient Temp Range	-40° C to +65° C
Operating Temp Range (Case)	-40° C to +65° C
Nighttime Power Consumption (Tare)	150 mW @ 240V, 220mW @ 208V
Dimensions (WxHxD)	27.23 cm x 10.13 cm x 3.53 cm (10.72 in. x 3.99 in. x 1.39 in.)
Weight	1.6 kg (3.6 lbs.)
Weight With Cables	2.3 kg (5.0 lbs.)
Cooling	Natural Convection; No Fans
Enclosure Environmental Rating	Outdoor: Tested to UL 1703
AC Connector Type	Square Style, Double Locking

FEATURES	@240 VAC
Maximum Units Per 20 A Branch	16 (Single Phase)
(3-DPST, 20A breakers)	@208 VAC 14 / Phase (42 total)
(1-TPST, 20A breaker)	@208 VAC 8 / Phase (24 total)
Communication	Power Line Carrier
Warranty	25 Years
Compliance	FCC Part 15 Class B
	UL 1741 / CSA 107.1

EFFICIENCY	
Peak Inverter Efficiency	95.7%
CEC Weighted Efficiency	95%
Power Point Tracking Effectiveness	> 99.5%