

A 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™".

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 to the Australian market. 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 field DC 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

For more information about the new SolarBridge Pantheon II integrated microinverter, call (01) 512-637-6860 or email info@solarbridgetech.com.

SIMPLY POWERFUL SOLAR

SOLARBRIDGE
TECHNOLOGIES™

SPECIFICATIONS

INPUT (DC) DATA	P250LV-230-AU
Recommended STC Module Input Power Rating	235 W–280 W
Maximum Continuous Input Power	250 W (Self Limiting)
Maximum Input Voltage (DC)	48 V
MPPT Voltage Range (DC)	18 V–37 V
Maximum Power Voltage Range (DC)	25 V–37 V
Maximum DC Short Circuit Current	15 A
Maximum DC Input Current	10 A

OUTPUT (AC) DATA	@ Nominal 230 VAC, 50Hz
Maximum Continuous Output Power	238 W
Nominal AC Output Current	1.035 A
Operating Voltage Range (AC)	200 V - 270 V
Adjustable Operating Voltage Range (AC)	180 V–270 V
Adjustable Operating Frequency Range	45 Hz–55 Hz
Power Factor	> 0.99
Total Harmonic Distortion	AS 4777.2, EN61000-3-2 Compliant

MECHANICAL DATA	
Ambient Temp Range	-40° C to +65° C
Operating Temp Range (case)	-40° C to +85° C
Nighttime Power Consumption (Tare)	< 150 mW
Dimensions (W x H x D)	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 IP 67
AC Connector Type	Square Style, Double Locking (EN50521/UL 6703A)

COMPLIANCE	@230 VAC	
Australia Regulatory Compliance Mark (RCM) Supplier No. 5425	Safety Certificate of Suitability CS9905N AS/NZS 3100, AS 60529, AS 4777.2, AS 4777.3 Listed as an approved inverter with the Clean Energy Council (CEC)	EMC ACMA DoC and Compliance Folder IEC61000-6-3, EN50065-1 Class 122

FEATURES	@230 VAC
Maximum Units Per 20 A Branch	16 (Single Phase)
Communication	Power Line Carrier
Warranty	25 Years

EFFICIENCY	
Peak Inverter Efficiency	95.6%
Euro (EN50530) Efficiency	93.2%
Power Point Tracking Effectiveness	> 99.5%