



Leading the Industry in
Microinverter Technology



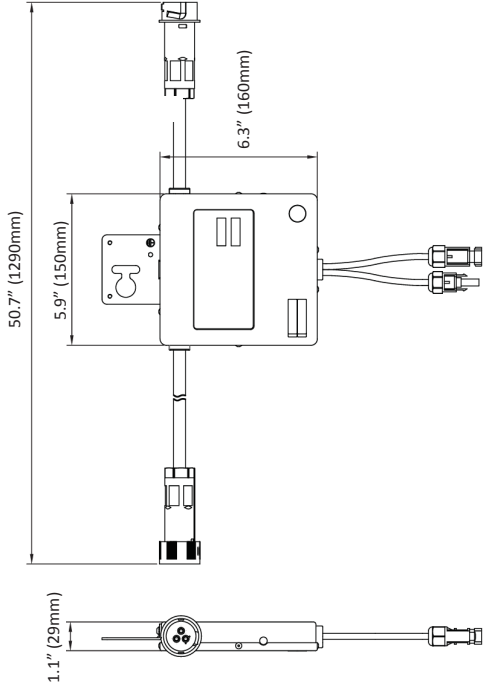
YC250A Microinverter

- Maximum output power 250W
- Rated up to 310W
- Any 60 or 72 cell module
- Up to 17 solar modules in a string (on a 20A breaker)

One APS YC250A Microinverter per solar module. APS grid-tied solar PV microinverters are designed to operate in real-world conditions in temperatures ranging from -40° F to +149° F. Combined with the dual module capacity of the YC500, the YC250 provides the single-unit ability to complete odd-panel array installations.



DIMENSIONS



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APS YC250A Microinverter

Datasheet

INPUT DATA (DC)

Recommended PV Module Power Range (STC)	180-310W
MPPT Voltage Range	22-45V
Maximum Input Voltage	55V
Maximum Input Current	11.5A

OUTPUT DATA (AC)

Rated Output Power	250W
Maximum Output Current	1.04A
Nominal Output Voltage/Range	240V/211V-264V*
Nominal Output Frequency/Range	60Hz / 59.3-60.5Hz*
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	17 per 20A

EFFICIENCY

Peak Efficiency	95.5%
CEC Weighted Efficiency	94%
Nominal MPP Tracking Efficiency	99.5%

MECHANICAL DATA

Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)
Operating Temperature Range (Ambient)	-40°F to +149°F (-40°C to +65°C)
Operating Temperature Range (Internal)	-40°F to +185°F (-40°C to +85°C)
Dimensions (WxHxD) inches	6.3" x 5.9" x 1.1"
Dimensions (WxHxD) mm	160mm x 150mm x 29mm
Weight	3.3 lbs (1.5kg)
Enclosure Rating	NEMA 4X
Cooling	Natural Convection

FEATURES & COMPLIANCE

Communication	Power line
Design Life	25 years
Emissions & Immunity (EMC) Compliance	FCC PART 15, ANSI C63.4, ICES-003,
Safety Class Compliance	UL 1741 , CSA C22.2, No. 1071-01, NEC 2014 690.12
Grid Connection Compliance	IEEE 1547

Specifications subject to change without notice – please ensure you are using the most recent update found at www.APSamerica.com

* Programmable per customer and utility requirements. All settings UL approved

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1015 Hostmark St., Suite 104, Poulsbo, WA 98370 | 844.666.7035 | APSamerica.com

Manufacture Spec Sheet