

# APS YC500A-MIW 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	12A X 2

## OUTPUT DATA (AC)

Rated Output Power	500W
Maximum Output Current	2.08A @ 240V 2.4A @208V
Nominal Output Voltage/Range - 240V	240V/211V-264V*
Nominal Output Voltage/Range - 208V	208V/183V-229V*
Nominal Output Frequency/Range	60Hz/ 59.3-60.5Hz*
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	7 per 20A @ 240V 6 per 20A @ 208V

## EFFICIENCY

Peak Efficiency	95.5%
CEC Weighted Efficiency	95%
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	8.75" x 6.5" x 1.1"
Dimensions (WxHxD) mm	221mm x 167mm x 29mm
Weight	5.5 lbs (2.5kg)
Enclosure Rating	NEMA 3R
Cooling	Natural Convection

## FEATURES & COMPLIANCE

Communication	Power line
Design Life	25 years
Emissions & Immunity (EMC) Compliance	FCC PART 15, ANSI C63.4 2003, ICES-003
Safety Class Compliance	UL 1741 , CSA C22.2, No. 107.1-01
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](http://www.apsamerica.com)

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



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