

APS YC500A-K Microinverter Datasheet

INPUT DATA (DC)

Maximum Input Voltage	55V
Maximum Input Current	24A

OUTPUT DATA (AC)

Rated Output Power	500W
Maximum Output Current - 240V	2.08A
Maximum Output Current - 208V	2.4A
Nominal Output Voltage/Range - 240V	211-264V*
Nominal Output Voltage/Range - 208V	183-233V*
Nominal Output Frequency/Range	60Hz / 59.3-60.5Hz*
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	7 per 20A / 9 per 25A breaker

EFFICIENCY

Peak Efficiency	95.5%
CEC Weighted Efficiency	94.5%
Nominal MPP Tracking Efficiency	99.0%

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	7.9" x 6.3" x 1.1"
Dimensions (WxHxD) mm	200mm x 160mm x 29mm
Weight	5.5 lbs (2.5kg)
Enclosure Rating	NEMA 3R
Cooling	Natural Convection

FEATURES & COMPLIANCE

Communication	Power line
Design Lifetime	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 <small>Text</small>
Grid Connection Compliance	IEEE 1547

* Programmable per customer and utility requirements
All settings UL approved

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