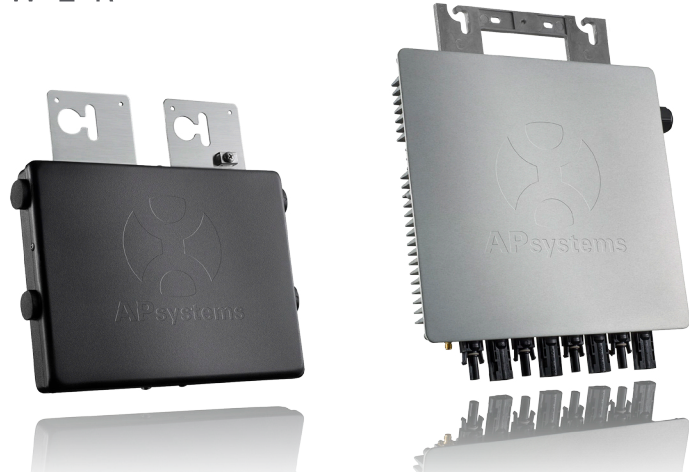


APmicro™ SERIES



YC500 SERIES:

YC500A / YC500i

YC1000 SERIES:

YC1000-3-208 / YC1000-3-480

INPUT DATA (DC)

MPPT Voltage Range	22-45V	16-55V
Maximum Input Voltage	55V	60V
Maximum Input Current	12A X 2	14.8A x 4
Startup Voltage	22V	22V

OUTPUT DATA (AC)

	240V	120Y / 208V	277Y/480V	120Y/208V
Maximum Output Power YC500A	500W	500W	—	—
Maximum Output Power YC500i	548W	548W	—	—
Maximum Output Power YC1000	—	—	900W	900W
Grid Type	Single phase	3 phase	3 phase	3 phase
Nominal Output Current	2.08A	2.40A	1.08Ax3	2.50Ax3
Peak Output Current (YC500i)	2.62A	2.28A	—	—
Nominal Output Voltage	211V-264V*	183V-229V*	277Yx3	120Yx3
Nominal Output Frequency	60Hz/59.3-60.5Hz*	60Hz/59.3-60.5Hz*	60Hz/59.3-60.5Hz	60Hz/59.3-60.5Hz†
Power Factor	>0.99	>0.99	>0.99	>0.99
Total Harmonic Distortion	<3%	<3%	<3%	<3%
Maximum Units per Branch	7 per 20Ax2-pole breaker	6 per 20Ax2-pole breaker	11 per 15Ax3-pole breaker	4 per 15Ax3-pole breaker

EFFICIENCY

Peak efficiency	95.5%	95%
CEC Weighted Efficiency	95%	94.5%
Nominal MPPT efficiency	99.5%	99.9%

MECHANICAL DATA

Operating Ambient temperature range	-40°F to +149°F (-40°C to +65°C)	-40°F to +149°F (-40°C to +65°C)
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Dimensions (W x H x D)	8.75" x 6.5" x 1.1" (221mm x 167mm x 29mm)	10.2" X 9.5" X 1.4" (259mm X 242mm X 36mm)
Weight	5.5 lbs (2.5kg)	8.4lbs (3.8kg)
Enclosure rating	NEMA 6	NEMA 6 NEMA 6
Cooling	Natural Convection - No Fans	Natural Convection - No Fans

FEATURES

Communication	Power line (PLC)	ZigBee (Wireless)
Emissions & Immunity (EMC) Compliance	FCC PART 15, ANSI C63.4 2003, ICES-003	FCC Part15; ANSI C63.4; ICES-003
Safety & Grid Connection Compliance	IEEE1547, CSA C22.2 No. 1071-01, NEC 2014 690.12, NEC 2017 690.12 **	
Warranty	10 years standard, extendable to 25 years	



* Programmable per customer and utility requirements. All settings UL approved
 ** Meets the standard requirements for Distributed Energy Resources (UL 1747) and identified with the ETL Listed Mark.

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

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APsystems Accessories

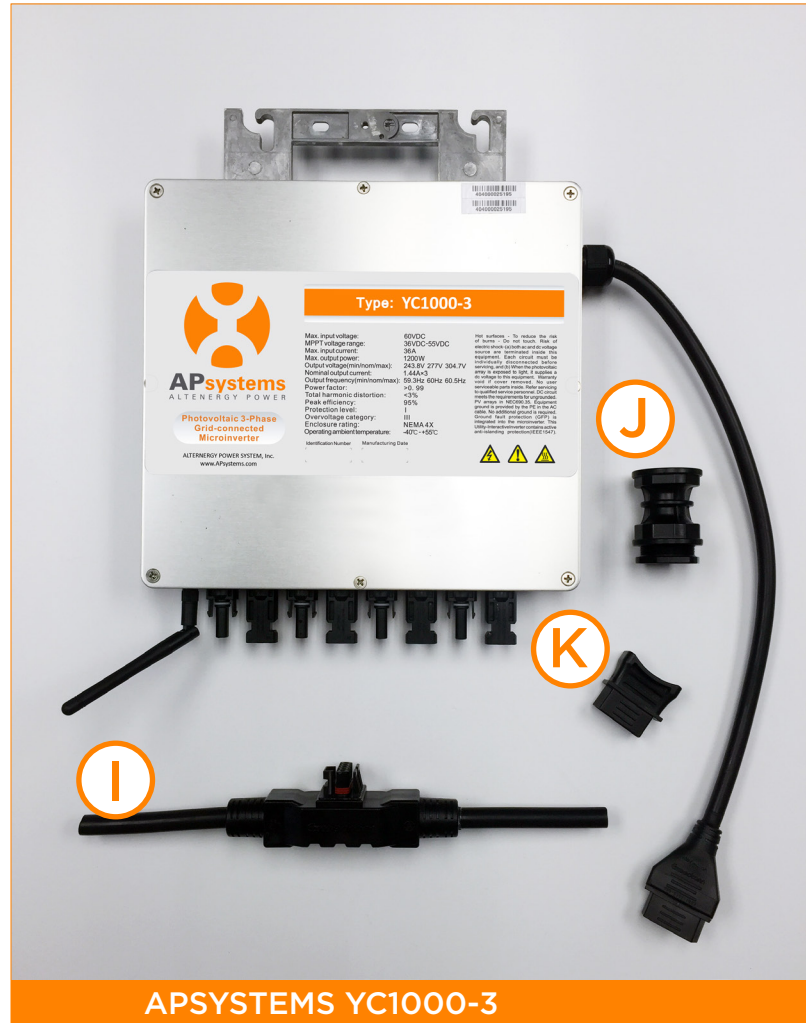
The APsystems microinverter solution includes a full range of certified products and accessories to suit any PV application. Contact your APsystems distributor, or see our full catalog online at APsystems.com.



APSYSTEMS YC500A



APSYSTEMS YC500i



APSYSTEMS YC1000-3



ECU or ECU ZigBee (pictured)

The ECU provides the Power Line Communication (PLC) to each microinverter, allowing monitoring of each individual PV module in the array.

Legend

- A. Pair of MC4 Caps (Male and Female)
- B. AC 25A Female Cap
- C. AC Connector Cable
- D. AC Extension Connector Cable

- E. YC500i Trunk Cable
- F. YC500i Trunk Cable T-CONN Cap
- G. YC500i Trunk Cable End Cap
- H. YC500i AC Connector Unlock Tool

- I. YC1000-3 Trunk Cable
- J. AC End Cap – YC1000
- K. Terminal Sealing Cap