

APmicro™ SERIES



YC600: Dual-module (2:1)



QS1: Quad-module (4:1)

INPUT DATA (DC)

MPPT Voltage Range	22V-48V	22V-48V
Maximum Input Voltage	60V	60V
Maximum Input Current	12A x 2	12A x 4
Startup Voltage	20V	20V

OUTPUT DATA (AC)

	240V	208V	240V	208V
Maximum Output Power	548VA	548VA	1,200W	1,100W
Nominal Output Current	2.28A	2.63A	5.00A	5.29A
Nominal Output Voltage	211-264V	183-229V	240V/211V-264V	208V/183V-229V
Nominal Output Frequency	60Hz/59.3-60.5Hz	60Hz/59.3-60.5Hz	60Hz/59.3Hz-60.5Hz	
Power Factor	0.8 leading...0.8 lagging	0.8 leading...0.8 lagging	>0.99	
Total Harmonic Distortion	<3%	<3%	<3%	
Maximum Units per Branch	7 (14 PV modules)	6 (12 PV modules)	3 (12 PV modules)	

EFFICIENCY

Peak efficiency	96.7%	96.5%
Nominal MPPT efficiency	99.5%	99.5%
Night Power Consumption	60mW	30mW

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)	10.24" x 7.4" x 1.24"(260mm x 188mm x 31.5mm)	11.1" x 9.1" x 1.6"(281mm x 231mm x 41.3mm)
Weight	5.7 lbs (2.6kg)	9.9lbs (4.5kg)
Enclosure rating	NEMA 6 (IP67)	NEMA 6 (IP67)
Cooling	Natural Convection - No Fans	Natural Convection - No Fans
AC Trunk Cable Maximum Current	20A	20A

FEATURES

Communication	Zigbee (Wireless)	Zigbee (Wireless)
Safety and EMC Compliance	FCC Part15;ANSIC63.4;ICES-003	FCC Part15;ANSIC63.4;ICES-003
Certificate & Compliance	UL1741, UL1741 SA (240V version only), CSA C22.2 No.1071-01	UL1741*, CSAC22.2No.1071-01
Grid Connection Compliance	IEEE1547, CA Rule 21 (240V version only)	IEEE1547
Rapid Shutdown	Meets NEC 2017 690.12, 690.11	Meets NEC 2014/2017 690.12
Warranty	10 years standard, extendable to 25 years	10 years standard, extendable to 25 years

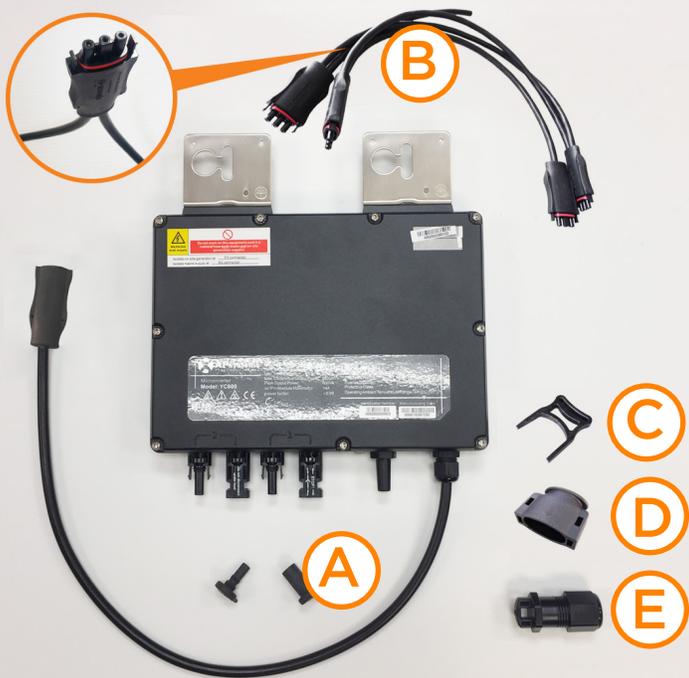


* Programmable per customer and utility requirements.
 ** Meets the standard requirements for Distributed Energy Resources (UL 1741) and identified with the CSA Listed Mark.

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

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 YC600 ACCESSORIES



APSYSTEMS QS1 ACCESSORIES

Legend:

- A. Pair of MC4 Caps (Male and Female)
- B. YC600 AC Bus Connector Cable
- C. AC Connector Unlock Tool

- D. Bus Y-CONN Cap
- E. AC Bus End Cap
- F. QS1 AC Bus Connector Cable

- G. DC Extension Cable – for all models



ECU-R

The ECU-R is the information gateway designed for residential applications. It collects and transfers module performance data giving you comprehensive monitoring and control over each individual module, optimizing the performance of your solar array.



ECU-C

The ECU-C, designed from the ground up as a multi-featured gateway for commercial applications, offers advanced functionality for more data-centric installations, with consumption and production monitoring, contact and relay ports, and high-frequency metering.