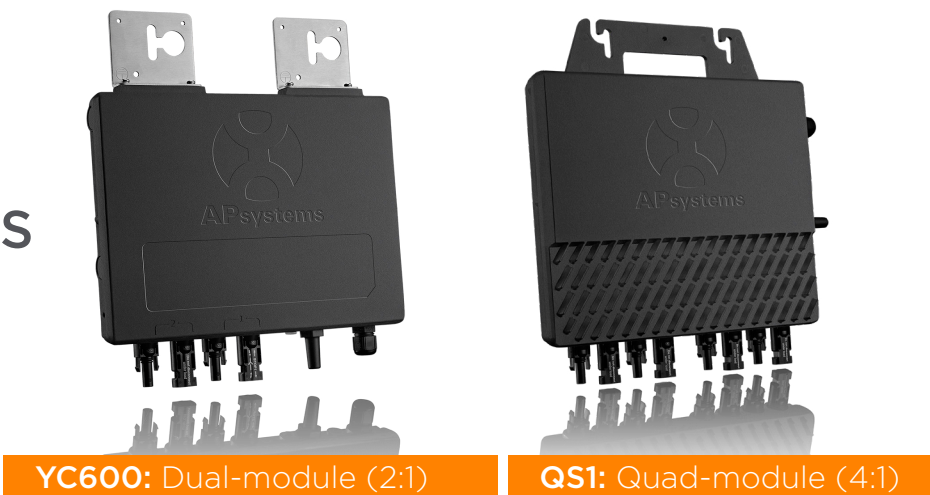


APmicro™ SERIES



INPUT DATA (DC)

| | |
|-----------------------|---------|
| MPPT Voltage Range | 22V-48V |
| Maximum Input Voltage | 60V |
| Maximum Input Current | 12A x 4 |
| Startup Voltage | 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) | |
| Cooling | Natural Convection - No Fans | |
| AC Trunk Cable Maximum Current | 20A | |

FEATURES

| | |
|----------------------------|--|
| Communication | Zigbee (Wireless) |
| Safety and EMC Compliance | FCC Part15;ANSIC63.4;ICES-003 |
| Certificate & Compliance | UL1741, UL1741 SA (240V version only), CSA C22.2 No.107.1-01 |
| Grid Connection Compliance | IEEE1547, CA Rule 21 (240V version only) |
| Rapid Shutdown | Meets NEC 2017 690.12, 690.11 |
| Warranty | 10 years standard, extendable to 25 years |



* Programmable per customer and utility requirements.

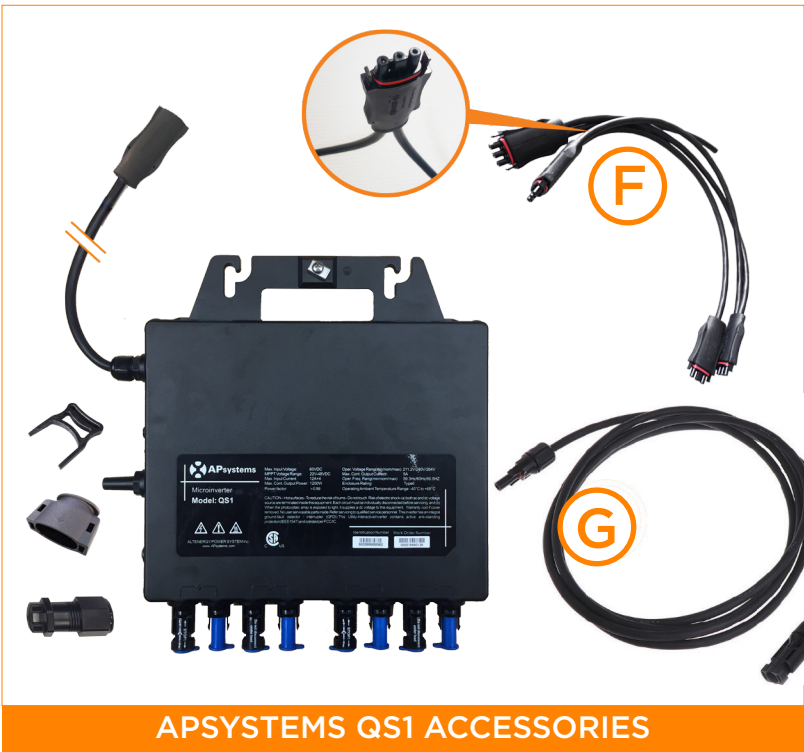
** Meets the standard requirements for Distributed Energy Resources (UL 1741) and identified with the CSA Listed Mark.

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

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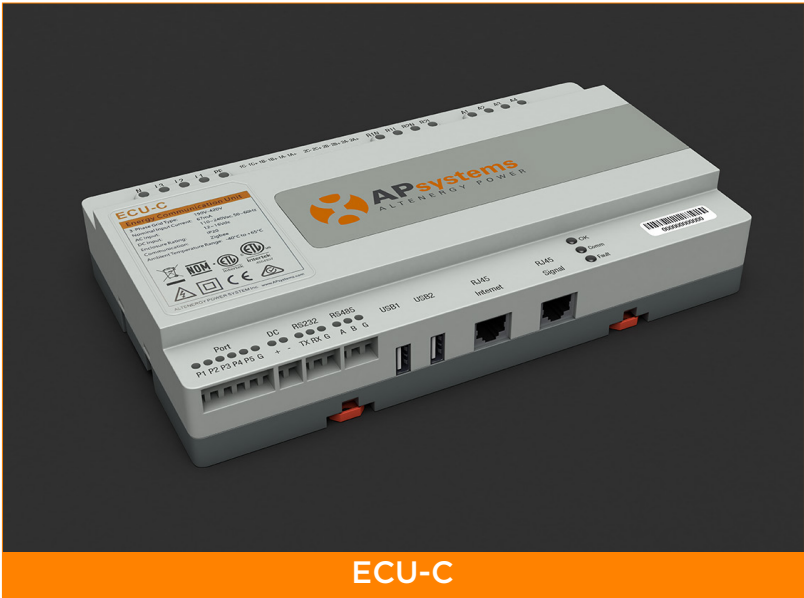
APsystems Accessories

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**.



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*



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.

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.