



ECU-C

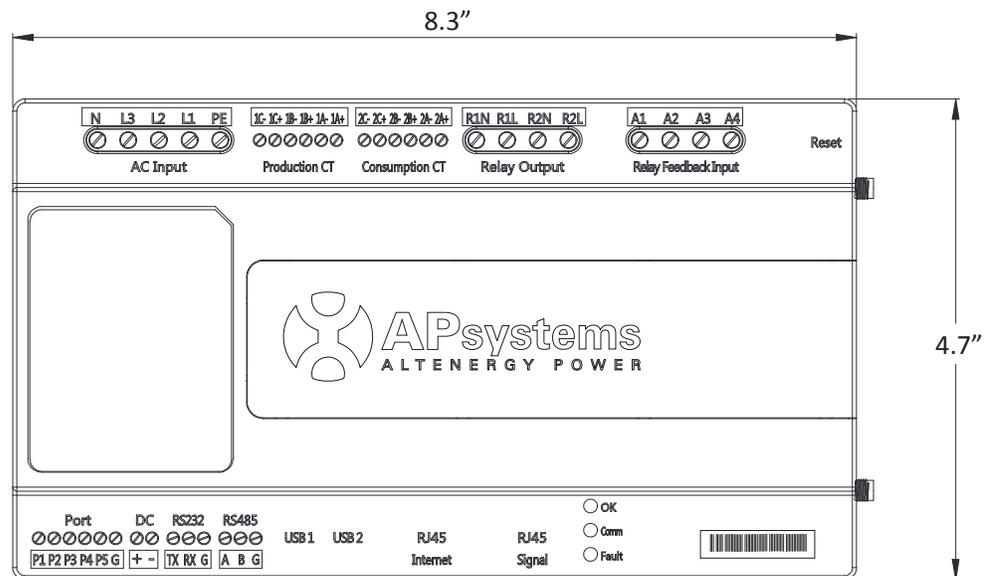
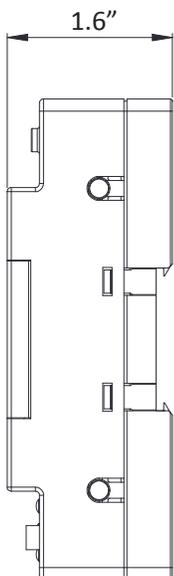
Energy communication unit with production and consumption monitoring

- High frequency metering
- AC power monitoring
- Relay control
- Built-in Wi-Fi
- Single phase or three phase
- Zigbee or PLC models available

The APsystems Gateway, our state-of-the-art Energy Communication Unit (ECU), is the information gateway for APsystems inverters. 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 for commercial applications, offers advanced functionality for more data-centric installations, with consumption and production monitoring, contact and relay ports, and high-frequency metering.

DIMENSIONS



APsystems ECU-C Datasheet

Communication Interface

Communication Method	Zigbee 2.4 GHz
Ethernet	10/100M Auto-sensing, Auto-negotiation
Integrated Wi-Fi	802.11g/n
Wireless Security	WEP, WPA2-PSK
USB Interface	Power only 5V-1A
RS232	Standard
RS485	Standard
RJ45	Standard

Power Requirements

AC Power Supply	110-277VAC, 50-60Hz Single Phase / Three Phase
DC Power Supply	12-16V
Power Consumption	3W

Mechanical Data

Dimensions (WxHxD)	8.3" x 4.7" x 1.6" (210mm x 120mm x 41mm)
Weight	1.1lbs (500g)
Operating Ambient Temperature Range	-40°F to 149°F (-40°C to +65°C)
Cooling	Natural convection, No Fans
Enclosure Environmental Rating	NEMA 1 (IP20)

Other Features

Grid Split Phase Type	Single Phase / Three Phase
Relay Driver	Control for external AC contact or relay
Digital Input	External control device connection
CT Sensor	High frequency production and consumption metering
Meter Accuracy	Integrated PV production metering (+/- 0.5% via CT) and optional consumption monitoring (+/- 2.5% via CT)

Compliance

Compliance	IEC/EN61010-1,EN61000-6-1,EN61000-6-2,EN61000-6-3,EN61000-6-4,2014/30/EU ,EN301489-1/-17,EN62479,EN 300328
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Warranty

Warranty term	3 years
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Specifications subject to change without notice - please ensure you are using the most recent version found at APsystems.com

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