



## Metered Rack Power Distribution Unit (AP8870)

### Overview

The APC Metered Rack Power Distribution Unit (PDU) provide active metering to enable energy optimization and circuit protection. User-defined alarm thresholds mitigate risk with real-time local and remote alerts to warn of potential circuit overloads. Metered Rack PDUs provide power utilization data to allow Data Center Managers to make informed decisions on load balancing and right sizing IT environments to lower total cost of ownership. Metered Rack PDUs include real power monitoring, a temperature/humidity sensor port, locking IEC receptacles, and ultra low profile circuit breakers. Users can access and configure Metered Rack PDUs through secure Web, Telnet, SNMP, SSH, or EcoStruxure™ interfaces.

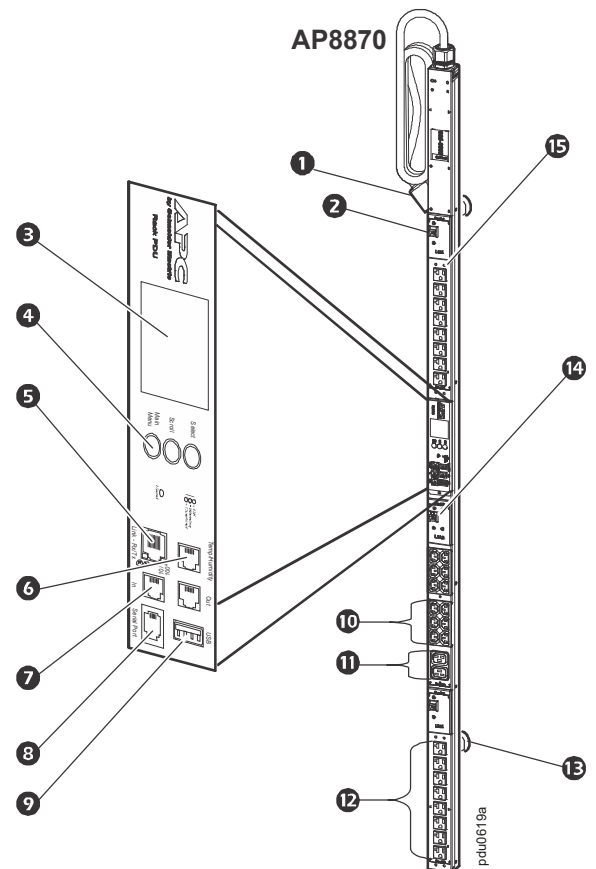
**Outlets:** The Rack PDU has sixteen (16) 5-20R **12**, twelve (12) C13 **10**, and two (2) C19 **11** outlets. Threaded mounting holes **15** are located at either end of each bank of 5-20R outlets to enable attachment of cord retainers (not provided).

**Overcurrent protection:** The Rack PDU has two (2) 20 A, UL 489 single pole hydraulic-magnetic circuit breakers **2**, and one (1) double pole UL 489 20 A circuit breaker **14**.

**Display interface:** The liquid crystal display (LCD) **3** and input buttons **4** allow you to monitor current, power, and voltage measurements of the Rack PDU. Local communication can be established through the serial port **8**, and remote communication through the network port **5**. The USB **9** and Communication **7** ports enable data transfer for future expansion options. The environmental sensor port **6** allows for monitoring of the temperature and humidity of the room or enclosure.

**Power cord:** The 1.83 m (6-ft) power cord terminates with a NEMA L14-30P connector **1**.

**Toolless mounting:** The Rack PDU has two (2) toolless mounting pegs **15** for 0 U mounting capability in a rack or enclosure.



## Specifications

### AP8870

#### Electrical

Acceptable input voltage	100-120/200-240 V
Maximum input current (phase)	24 A
Input frequency	50/60 Hz
Input connection	NEMA L14-30P
Input power	5.76 kW
Output voltage	100-120 V (Phase to Neutral) 200-240 V (Phase to Phase)
Maximum output current (outlet)	16 A (5-20R) 16 A (C19) 12 A (C13)
Maximum output current (phase)	24 A
Maximum output current (bank)	16 A
Output connections	Sixteen (16) NEMA 5-20R Twelve (12) IEC 320 C13 Two (2) IEC 320 C19
Overload protection (internal)	Two (2) 20 A, UL 489 single pole circuit breakers, One (1) 20 A UL 489 double pole circuit breaker

#### Physical

Dimensions (H x W x D) (depth does not include toolless pegs)	179.1 x 5.6 x 4.4 cm (70.5 x 2.2 x 1.7 in)
Power cord length	1.83 m (6 ft)
Shipping dimensions (H x W x D)	200.6 x 16.5 x 10.8 cm (79 x 6.5 x 4.26 in)
Weight/shipping weight	6.38 kg (14.04 lb) / 7.19 kg (15.82 lb)

#### Environmental

Maximum elevation (above MSL) Operating/Storage	0–3048 m (0–10,000 ft) / 0–15240 m (0–50,000 ft)
Temperature Operating/Storage	–5 to 60 °C (23 to 140 °F) / –25 to 65 °C (–13 to 149 °F)
Humidity Operating/Storage	5–95% RH, non-condensing

#### Compliance

EMC verification	FCC Part 15, ICES-003
Safety verification	UL, CUL