

# Cyclades® PM

## Intelligent Power Distribution Unit

### NEMA Models

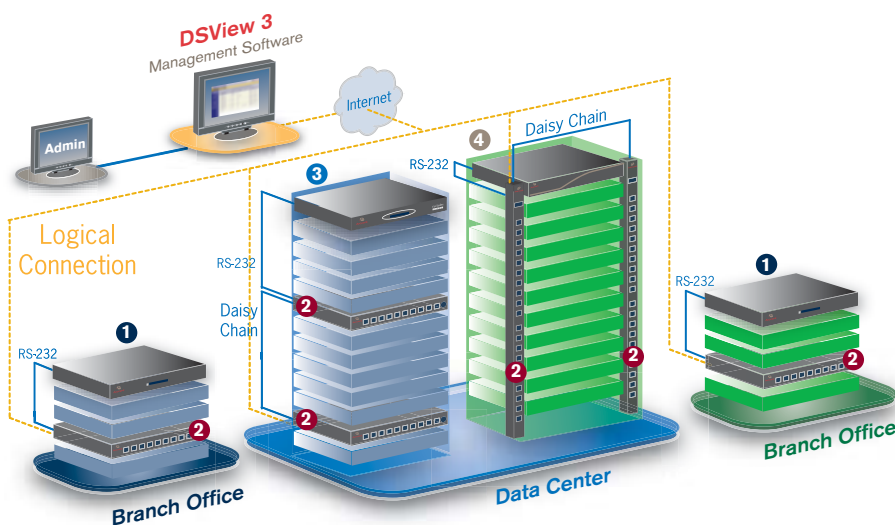


### Integrated Remote Power Management and Distribution for Use in Branch and Remote Offices

Cyclades® PM intelligent power distribution units (IPDUs) enable remote power control and system management of IT assets in branch and remote offices. When used in conjunction with Cyclades ACS advanced console servers and DSR® switch appliances, Cyclades PM IPDUs offer quick problem resolution through an integrated management interface. With one or more outlets positively associated with a particular device, users may control power “in line” through a user-defined “hot key” or by using an intuitive Web browser-based GUI. In addition, a special command set facilitates scripting.

### Cyclades PM IPDUs – NEMA Models

Cyclades PM NEMA models are equipped with 5-15R power outlets and fixed power cables. These units are available in 15A, 20A and 30A capacities with optional twist-lock input plugs. Each model includes two RS-232 ports: one for management and the second for daisy-chain expansion. Daisy chaining allows an operator to control up to 128 power outlets as a single device. Cyclades NEMA IPDUs are designed to operate in 100-125 VAC environments. An LED display shows the real time, true RMS current draw. Each PM unit may be configured to sound an alarm during an overcurrent condition, and if it is connected to a Cyclades ACS console server, the IPDU may also send notifications via e-mail messages, Short Message Service (SMS) pager messages and SNMP traps.



- 1** Cyclades OnSite Branch Office Appliance
- 2** Cyclades PM IPDU
- 3** Cyclades ACS Advanced Console Server
- 4** DSR Switch

### Applications

- Power control over remote IT assets from anywhere on earth
- Seamless integration with Cyclades ACS console servers, DSR switches and DSView® 3 management software
- Proactive fault management and isolation
- Fault notifications via e-mail, SMS page and SNMP traps

### Benefits

- Restore practically any IT asset without dispatching service personnel
- Virtually eliminate power control errors during crisis situations
- Improve administrative efficiency with integrated control functions
- Proactively identify and manage problems to improve mean time between failure (MTBF)
- Reduce risk, reduce mean time to repair (MTTR)
- Conserve valuable IP addresses and switch ports

## Hardware Specifications – NEMA

**Interfaces:** 2 RJ-45 RS-232 serial ports (9,600 8-N-1)  
10 or 20 NEMA 5-15R outlets

**Power\*:** **PM10-15A**  
100–125 VAC, 15 A, NEMA 5-15P plug  
15 A max. branch circuit rating  
15 A max. per NEMA 5-15R outlet

**PM10-20A, PM20-20A**  
100–125 VAC, 20 A, NEMA 5-20P plug  
20 A max. branch circuit rating  
15 A max. per NEMA 5-15R outlet

**PM10-L20A, PM20-L20A**  
100–125 VAC, 20 A, NEMA L5-20P twist-lock plug  
20 A max. branch circuit rating  
15 A max. per NEMA 5-15R outlet

**PM10-L30A, PM20-L30A**  
100–125 VAC, 30 A, NEMA L5-30P twist-lock plug  
30 A max. branch circuit rating  
15 A max. per NEMA 5-15R outlet

**Operating Temperature:** 50°F to 122°F (10°C to 50°C)

**Storage Temperature:** –40°F to 185°F (–40°C to 85°C)

**Humidity:** 5% to 95% noncondensing

**Dimensions: (W x D x H)** **PM10-15A, -20A, -L20A**  
17 x 8.25 x 1.75 in. (43.18 x 20.96 x 4.45 cm)

**PM10-L30A**  
17 x 8.5 x 1.75 in. (43.18 x 21.59 x 4.45 cm)

**PM20-20A, -L20A, -L30A**  
1.8 x 2.2 x 66 in. (4.57 x 5.56 x 167.64 cm)

**Weight:** **PM10** 8.8 lb 4.0 kg  
**PM20** 12.4 lb 5.6 kg

**Certifications:** FCC Part 15, A  
CSA (fully compliant to UL standard)

\*Units are certified to 80% of max. current rating.

Part Number	Model	Description
ATP5015-001	PM10-15A	10 outlets, 15 A max. branch, NEMA 5-15P
ATP5020-001	PM10-20A	10 outlets, 20 A max. branch, NEMA 5-20P
ATP5025-001	PM10-L20A	10 outlets, 20 A max. branch, NEMA L5-20P
ATP5035-001	PM10-L30A	10 outlets, 30 A max. branch, NEMA L5-30P
ATP2020-001	PM20-20A	20 outlets, 20 A max. branch, NEMA 5-20P
ATP2025-001	PM20-L20A	20 outlets, 20 A max. branch, NEMA L5-20P
ATP2035-001	PM20-L30A	20 outlets, 30 A max. branch, NEMA L5-30P

## Features

### Connectivity

- RS-232 serial port for configuration and management
- Second RS-232 serial port for control-level daisy chaining (up to 128 outlets)
- Full RS-232 signal support allows dial-in access via modem

### Administration

- Name assignment per IPDU (up to 8 characters)
- Name assignment per outlet (up to 16 characters)
- Local authentication support (up to 8 users)
- Per-outlet access control lists

### Management

- Independent control of power outlets (power on/off, cycle)
- Virtual lock per outlet (on or off states)
- Sequential power up with user-defined inter-outlet delays
- Global, true RMS current monitoring per IPDU
- Two-digit 7-segment LED current display
- On/off status LED per outlet
- User-defined overcurrent threshold with alarm
- Built-in visual and audible alarms
- Built-in ambient temperature sensor

### Form Factors

- Industry's highest outlet density (up to 10 outlets per 1U)
- Horizontal (1U) and vertical (0U) models address a wide variety of applications

### Integration Features\*

- Integrated power management through console and KVM sessions
- CLI, menu and GUI interfaces
- Multioutlet grouping for devices with redundant power supplies
- RADIUS, TACACS+, Kerberos, LDAP, and Active Directory server-based authentication with local fallback
- Token-based strong authentication (RSA SecurID)
- Event logging via syslog
- Fault notification via e-mail, SMS page, SNMP trap
- SNMP integration with enterprise systems

\*Features available when product is used in conjunction with Cyclades ACS console servers, DSR switches, Cyclades OnSite branch office appliance or DSView 3 management software (not included).

## NEMA

### Inputs



NEMA 5-15P  
on fixed 12 ft power cord



NEMA 5-20P  
on fixed 12 ft power cord



NEMA L5-20P  
on fixed 12 ft power cord



NEMA L5-30P  
on fixed 8 ft power cord

### Outlets



NEMA 5-15R