30, 60, and 80 Amp PanView iQ™ (PViQ™) Networked Power Outlet Units

PANDUIT®

SPECIFICATION SHEET

specifications

PViQ™ Power Outlet Units shall integrate with the Panduit® PIM™ Software Platform to enable intelligent management of the in-cabinet power usage. This system helps to quickly identify and resolve power issues, find and reclaim available or underutilized power capacity and automate collection of real-time and accurate power information. The units shall have local and remote monitoring for power consumption, easy upgradable firmware updates and be capable of mounting vertically to the Net-Access™ and Net-SERV™ Cabinets or Panduit 4-post racks. The vertical power outlet units shall have 30, 60 and 80 Amp circuits and shall have multiple outlet options with standard IEC or NEMA compliant receptacles. Power outlet units shall have ten foot cords using twist lock or IEC 309 plugs and black powder-coated finish.

technical information

Dimensions:	QZ1A1M2BM24E1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1A1M2BM30P1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1B1L2BN30P1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1B1L2BN24H1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	*QZ1B1P3BN30P1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1A1P3BN24E1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1A1P3BN30P1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	*QZ1B1P3BN24H1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1C1P3BN33X1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1C1P3BN24Y1	70"H x 2.0"W x 2.0"D (1778mm x 51mm x 51mm)
	QQ1C1P3BN24Y1	70"H x 2.0"W x 2.0"D (1778mm x 51mm x 51mm)
	QZ1D2E3BN30P1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	PZ1B2G6BN12N1	3.4"H x 17.0"W x 9.0"D (86mm x 432mm x 229mm)
	QZ1B2C3BN30P1	66.3"H x 2.0"W x 2.0"D (1683mm x 51mm x 51mm)
	QZ1B2G6BN12N1	66.3"H x 2.3"W x 3.45"D (1683mm x 51mm x 51mm)
	QZ1B2G6BN24Z1	66.3"H x 2.3"W x 3.45"D (1683mm x 51mm x 51mm)
	QQ1B6A4AP12N1	66.3"H x 3.5"W x 3.5"D (1683mm x 89mm x 89mm)
		*For Delta configuration option, replace 1P with 1N
Power outlet unit mounting:	Vertical power strips provide multiple outlets and do not occupy any rack spaces Horizontal power strips provide multiple outlets and mount to any EIA 19" rack	
Power outlet unit packaging:	All power outlet units include 10' power cords, mounting brackets, screws and tool-less button mounting	

key features and benefits

Remote access to power consumption data	Web-based GUI provides global network access to real-time power information to improve data center energy efficiency and reduce operating costs through analysis of power usage and trends
Integrates with Panduit® PIM™ Software	Aggregates power information through a single web based GUI to facilitate easy analysis of data
Integrated power monitoring and management	On unit display provides true RMS Input Current Load (in amps) for each power circuit or phase to properly load balance and maximize power circuits, improving data center power management and planning
Alarm messaging capability	Provides user-defined alarm/messaging capabilities for specific events that exceeded thresholds to help minimize network downtime
Mounting buttons	Allows tool-less mounting of power strips for faster installations
Certification/agency approvals	Complies with UL and c-UL Listed 60950

applications

Panduit's PViQ™ Networked Power Outlet Units can either be utilized standalone for smaller installations or centrally managed by the Physical Infrastructure Manager™ (PIM™) Software Platform for larger data centers. The PViQ™ POUs provide continuous real-time power monitoring via the network for enhanced system management and reliability.

The PViQ™ POUs safely and efficiently manage and distribute power to allow multiple pieces of equipment to share a single power connector to enhance scalability of network build outs. Mounting flexibility allows quick and easy installation and when used with Panduit® Net-Access™ and Net-SERV™ Cabinets, the user receives a complete networking solution that will satisfy data center requirements today and into the future.

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PIM™ Software Platform and Modules	
Base functionality module:	PIM-BASE
Power module:	PIM-POWER
PanView iQ™ IEC60320 C14 to NEMA 5-15R Adapters	
PViQ™ C14 Power Adapter (US):	PVQ-C14ADPTR-S
PViQ™ C14 Power Adapter (Japan):	PVQ-C14ADPTR-J
Vertical Single Phase, 120V, 30A 24 NEMA 5-20 Outlets	
Aggregate/breaker monitoring:	QZ1A1M2BM24E1
Vertical Single Phase, 208V, 30A 24 NEMA 6-20 Outlets	
Aggregate/breaker monitoring:	QZ1B1L2BN24H1
Vertical Single Phase 120V, 30A 24 IEC-13 and 6 IEC-19 Outlets	
Aggregate/breaker monitoring:	QZ1A1M2BM30P1
Vertical Single Phase 208V, 30A 24 IEC-13 and 6 IEC-19 Outlets	
Aggregate/breaker monitoring:	QZ1B1L2BN30P1
Vertical 3~ WYE 120V 30A 24 IEC 13 and 6 IEC-19 Outlets	
Phase/breaker (X,Y, Z) monitoring:	QZ1A1P3BN30P1
Vertical 3~ WYE 208V 30A 24 IEC 13 and 6 IEC-19 Outlets	
Circuit/breaker (XY,YZ, ZX) monitoring:	QZ1B1P3BN30P1
Vertical 3~ WYE, 120V, 30A 24 NEMA 5-20 Outlets	
Phase/breaker (X,Y, Z) monitoring:	QZ1A1P3BN24E1
Vertical 3~ WYE, 208V, 30A 24 NEMA 6-20 Outlets	
Circuit/breaker (XY,YZ, ZX) monitoring:	QZ1B1P3BN24H1
Vertical 3~ WYE 120V/208V, 30A 12 IEC 13, 6 IEC-19 and 6 NEMA 5-20R Outlets	
Phase (XY,YZ,ZX) and outlet monitoring:	QQ1C1P3BN24Y1
Vertical 3~ WYE 120V/208V, 30A 24 IEC 13, 3 IEC-19 and 6 NEMA 5-20R Outlets	
Circuit/breaker (XY,YZ, ZX) outlet monitoring:	QZ1C1P3BN33X1
Vertical 3~ WYE 120V/208V, 30A 12 IEC 13, 6 IEC-19 and 6 NEMA 5-20R Outlets	
Circuit/breaker (XY,YZ, ZX) monitoring:	QZ1C1P3BN24Y1
Vertical 3~ WYE 230/400V, 30A 24 IEC-13 and 6 IEC-19 Outlets	
Phase/breaker (X,Y,Z) monitoring:	QZ1D2E3BN30P1
Horizontal 3~ Delta 208V, 60A 12 IEC-19 Outlets	
Breaker monitoring:	PZ1B2G6BN12N1
Vertical Single Phase 208V, 60A 24 IEC 13 and 6 IEC-19 Outlets	
Breaker monitoring:	QZ1B2C3BN30P1
Vertical 3~ Delta 208V, 60A 12 IEC-19 Outlets	
Breaker monitoring:	QZ1B2G6BN12N1
Vertical 3~ Delta 208V, 60A 12 IEC-13 and 12 IEC-19 Outlets	
Breaker monitoring:	QZ1B2G6BN24Z1
Vertical 3~ Delta 208V, 80A 12 IEC-19 Outlets	
Phase (X,Y,Z) and outlet monitoring:	QQ1B6A4AP12N1
Net-Access™ Server Cabinet	
32"W x 45 RU:	CS1, CS2, and CS3
Net-Access™ Switch Cabinet	
32"W x 45 RU:	CN1, CN2, and CN3

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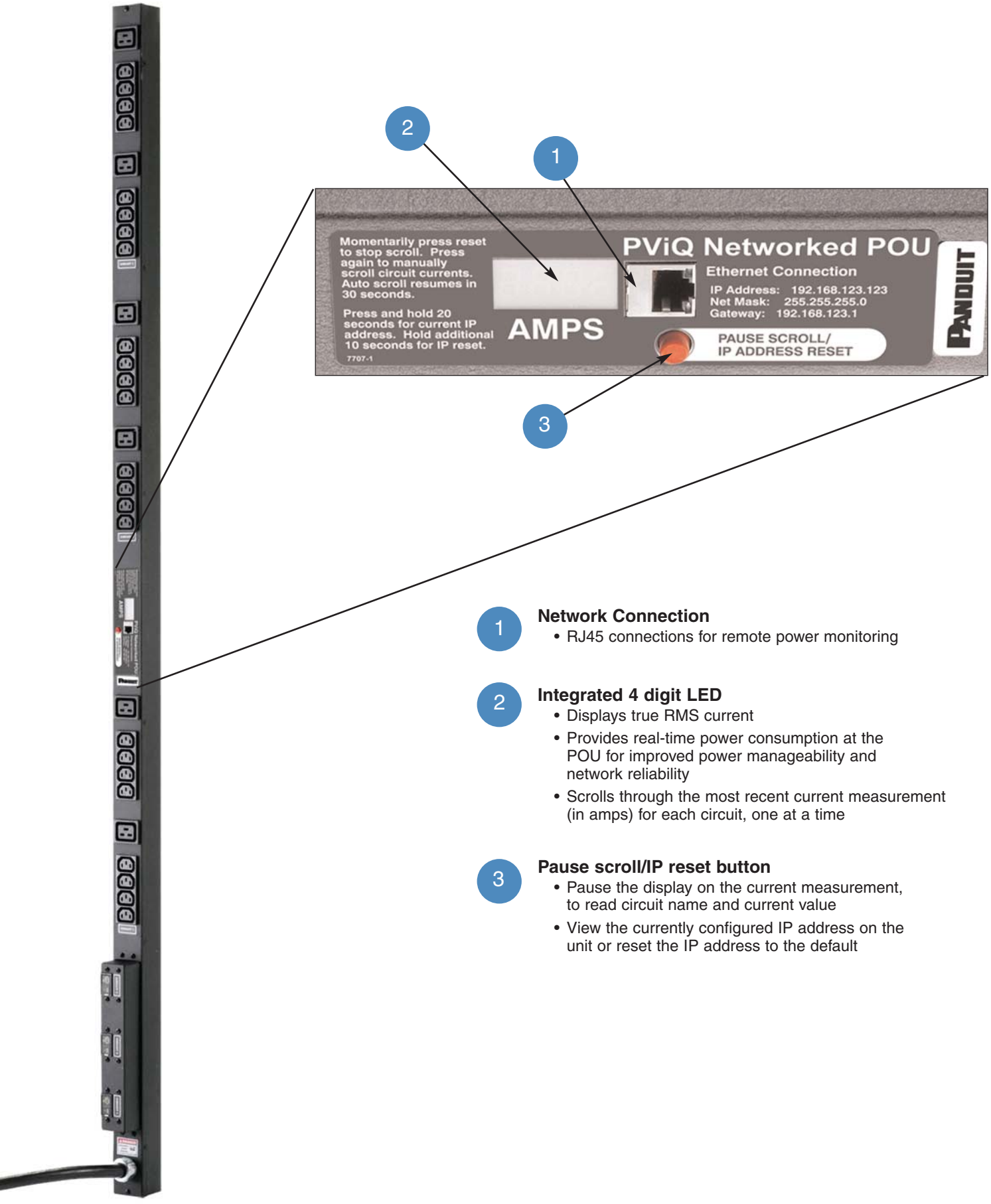

1

Network Connection

- RJ45 connections for remote power monitoring

2

Integrated 4 digit LED

- Displays true RMS current
- Provides real-time power consumption at the POU for improved power manageability and network reliability
- Scrolls through the most recent current measurement (in amps) for each circuit, one at a time

3

Pause scroll/IP reset button

- Pause the display on the current measurement, to read circuit name and current value
- View the currently configured IP address on the unit or reset the IP address to the default

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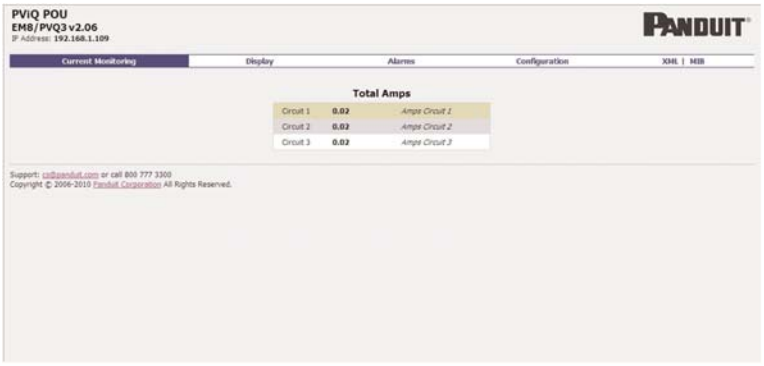
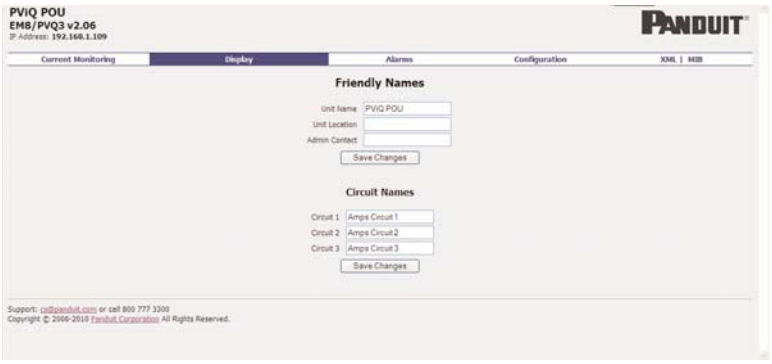
Current Monitoring

- Provides real time current power information via a standard web browser



Display

- Name and location information can be stored for easy identification of POU and individual outlets



Alarms

- Alarm status provided if current is greater than entered threshold

Configuration

- Simple network and SNMP configuration for easy setup

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