RackPower

PDU Cascade functionality and Remote **IP** Access

- The PDU can be cascaded up to 16 levels
- For IP PDU access simply connect 1 x IP dongle
- 1 x IP Dongle allows access to 16 levels

CONNECT AND PROTECT

Rack**Power**

INTELLIGENT POWER DISTRIBUTION UNITS

CADDY   ERICO   HOFFMAN   RAYCHEM   SCHROFF   TRACER

RackPower

INTELLIGENT POWER DISTRIBUTION UNITS

Trust in nVent's optimized solutions for connecting and protecting mission critical data center and networking infrastructure.

IP RackPower Hardware - SNMP

Hot pluggable IP hardware provides IP remote access to the PDUs using a single IP address chain. Only one IP gateway is required to access a maximum of 16 PDUs in a daisy chain.

Simply integrate the IP gateway to the 1st PDU, then the entire daisy chain group can be remotely accessed over IP.

All single PDUs can be individually managed over a web interface or using the free of charge RackPower Manager RPM software.

The RackPower PDUs are capable of integrating with Sunbird Power IQ software or other DCIM solutions.

Field Replaceable Meter

The PDU features a field replaceable RMS current meter with 3" color LCD display with touch screen functionality. The RackPower PDU features a field replaceable RMS current meter with a 3" color touch screen LCD display. The LCD display is located at the top of the PDU and provides local visibility to current (Amp), voltage (Volt), power (kW), energy consumption (KWh) and power factor of the entire PDU. The RMS meter provides a metering accuracy of +/- 1%.

The field replaceable module helps eliminate maintenance downtime by enabling replacement without a service interruption.

Multiple Outlet Configurations

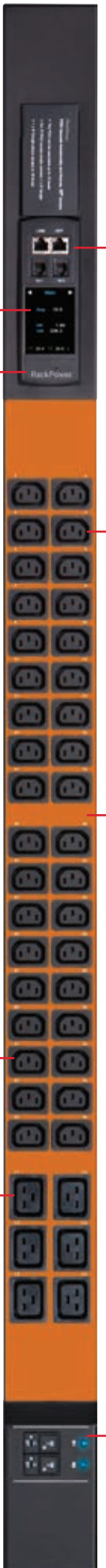RackPower PDUs are available with multiple outlet configurations per each individual PDU.

For example; one vertical PDU with 2xUK,20xC13, 6xC19 outlets

- **Ensure Uptime**
- **Enjoy Flexibility**
- **Automate your Infrastructure Management**

Power Feed Entry Flexibility

Standard RackPower PDUs are configured with bottom power feed entry and may be customized with top power feed - available on request.

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Temperature & Humidity Sensors

A pair of sensors can be connected to one single PDU meter.

Temperature or Temperature & Humidity (2in1) external sensors are available with a 2m or 4m long cord.

Sensors have a low profile design with magnetic base for easy affixing to the cabinet/rack.

Advanced IEC cable retaining

IEC lock outlets or simple cable sleeves offer protection against the unintentional removal of cables from the PDU C13 or C19 outlets.

Chassis Color

PDU casing and outlet colors may be specified to enhance cable management and visualization of the power sources.

It allows differentiation of power feeds (A & B) if required.

The most common combinations are red & blue or black & grey/white. Other colors including yellow, green, orange and purple are available.

Free Management Software

RackPower Manager enhances the benefits of RackPower PDUs by delivering a centralized remote management platform for the PDUs in multiple IP-access groups. The administrator can remotely manage the PDUs and the environmental sensors connected by the web browser.

Field replaceable Power Supply with Latching Relays

To protect mission critical equipment from unplanned downtime, outlet switching must be controlled via bistable/latching relays.

The unit power supply is field replaceable (hot swappable) and latching relays ensure 'always on' operational performance and outlet status when returning to a pre-power outage condition after a planned or unplanned shutdown.

Resettable Fuse

- Protected load segments for increased reliability
- Overload reset button
- Cost effective solution for safety operation

Circuit Breaker

- Protected load segments for increased reliability
- Overload switch
- Designed with fully shrouded protective cover to prevent accidental ON / OFF operation

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INTELLIGENT POWER DISTRIBUTION UNITS

RackPower Intelligent Power Distribution Units (iPDUs) deliver smart and reliable power management for a broad range of applications.

RackPower units can be configured to suit all your requirements, whether basic, metered, switched, combination metered/switched - both strip and outlet level configurations available. RackPower includes a field replaceable high-accuracy meter and power module with efficient latching relays to ensure sequential start up and remote power reboot.

RackPower SERIES

	RP3000	RP2000	RP1500	RP1000	RP100
Outlet Measurement	x		x		
Outlet Switch ON / OFF	x	x			
Latching Relay	x	x			
SNMP Hardware	x	x	x	x	
Strip level measurement	x	x		x	x

ELECTRICAL

Individual Fuse Option
Vertical & Horizontal Mounting
Multiple Outlet Configuration
Tool-less Mounting
Single and three phase
Fuse / Circuit Breaker - Option
Surge Protector - Option
EMI Filter - Option
Three Phase - Option
Regional voltages

SMART

Hot-pluggable Meter
3" Touchscreen
DC Module
SNMP Hardware
Sensor Port x 2 (Temperature & Humidity)
Management Software
16 x PDU in Single Daisy Chain
One IP Access 16 x PDU Levels
Aggregate Amp Measurement
Local Ampmeter

RackPower

INTELLIGENT POWER DISTRIBUTION UNITS

Sensors

- External sensor available with 2M or 4M cord
- Plug and play
- Low profile design with magnetic base for easy affixing to the cabinet
- Pair of sensors can be connected to one single PDU meter

External Door Mount PDU Display

The external door mount PDU display provides a highly visible local display without the need to open the cabinet's rear door to read the PDU(s) information.

- External Door Mount PDU Display provides RJ-11 port x 2 for PDU amp. & Temperature monitoring
- The display will be connected back to each IP PDU via door and a 3m RJ-11 cable

IP Hardware - SNMP

- Patented design
- Hot pluggable for easy integration
- Allows IP remote access to the PDUs by a single IP address
- One IP hardware supports a maximum of 16 PDUs in daisy chain
- Highly cost effective method to access the intelligent PDUs
- SNMP

    >IP Hardware for Vertical PDU

    >IP Hardware for Horizontal PDU

Dual Feed PDU - 1 Chassis 2 PDUs

Two PDUs in one chassis.

- Easy installation
- Colored layout
- One shared meter, two PDUs
    - Local monitoring
    - Up to 32 PDUs in a single cascade group
- Cord and cable management
    - Minimize erratic data transfer as well as EMI
    - Distinguishes Data and Power Cabling
    - Space saving design

iATS - Intelligent Automatic Transfer Switch

- ATS <10ms transfer time – for equipment with one Power Supply Unit (PSU)
- Input preference switch for priority power feed
- Redundant power for single-corded equipment
- Auto switching relay for seamless power transfer
- 8 to 20 IEC outlets - Custom configurations available
- LED meter for true RMS local current monitoring
- 1 U & 2 U versions
- Single- and three-phase configurations
- Country-specific outlets

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INTELLIGENT POWER DISTRIBUTION UNITS

Configuration Options

Direction	Outlet quantity	Outlet Type 1	Outlet quantity	Outlet Type 2	Outlet quantity	Outlet Type 3	Rating
Vertical	2 - 24	UK 45°	2 - 36	C13	2 - 12	C19	13A
Horizontal		UK 135°					16A
		UK 90°					32A
		CEE7/4 Schuko					10A
		NEMA					20A
		CEE7/5 Schuko					30A
							16A (3)
							32A (3)
							63A

ONLINE RACKPOWER PDU CONFIGURATOR
Use our online configurator to specify your PDU and receive a quote that matches 100% of your requirements
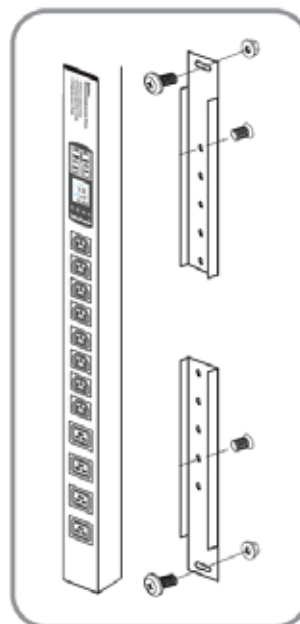
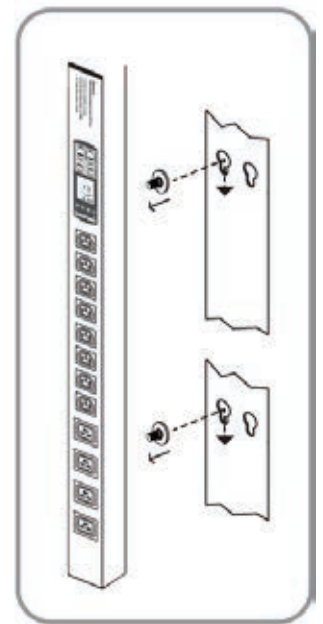**schroff.biz/PDU_Webapp/**

Vertical Mounting

- Quick and tool-less integration simplifies PDU installation
- Vertical Button Mounting Kit: Designed for nVent cabinets with keyhole type mounting holes on the rear verticals
- Vertical Bracket Mounting Kit: Easy installation by mounting the PDU to the cabinet cable tray or frame

Bracket Kit

Button Kit

RackPower

INTELLIGENT POWER DISTRIBUTION UNITS

	Model Type	Cord Length	Input Plug	Feed Input	Color	Protection	Additional requirments
	Basic	1 - 10m	60309	Bottom	Black RAL 9005	Circuit Breakers	LSZH input cord
	RP100 metered, no network interface		C20	Top	Red Pantone 200c	Individually fused	External earth cord supplied
	RP1000 metered		UK		Blue Pantone 300c	EMI filter	Special requirement
	RP1500 outlet metered		Schuko		Grey White RAL 9002	Resettable individual fuses	
	RP2000 metered, switched		Unterminated		Yellow RAL 1018	Surge Protection	
	RP3000 outlet metered, switched		C14		Purple RAL 4006		
			L6 20P		Orange RAL 1007		
			L6-30P		Green RAL 6029		

RackPower
Manager Software (FREE)

Ultra density PDU Management can be achieved with RackPower Manager, the associated software for RackPower PDUs. Supporting remote management of multiple PDU daisy chain groups.

- RPM-04 supports up to 720 PDU's (45 PDU Groups)
- RPM-04 provides the basic functions of:
  - Monitoring or measurement of Amps, Volts, kW, kWh, Power factor and Temperature / Humidity
  - Remote switching ON / OFF per individual power outlets
  - Reporting
  - Alarm setting
  - PDU Outlet measurement
  - Grouping and chart reporting (These functions are provided by higher software editions)

RackPower Manager enhances the benefits of RackPower PDUs by delivering a centralized remote management platform for the PDUs in multiple IP-access groups.

The administrator can remotely manage the PDUs and the environmental sensors connected by the web browser.

- Wide functionality
- Concise monitoring pages
- Mass scale PDU management
- Scalable solution
- Flexibility by multiple users
- Cost effective

The RackPower PDUs are capable of integrating with Sunbird Power IQ software or other DCIM solutions.

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