RackPower
INTELLIGENT POWER DISTRIBUTION UNITS

CONNECT AND PROTECT

RackPower
INTELLIGENT POWER DISTRIBUTION UNITS

nVent

CADDY  ERICO  HOFFMAN  RAYCHEM  SCHROFF  TRACER
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.

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.
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
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

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<tr>
<th>Feature</th>
<th>RP3000</th>
<th>RP2000</th>
<th>RP1500</th>
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<td>Outlet Measurement</td>
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<tr>
<td>Outlet Switch ON / OFF</td>
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<td>Latching Relay</td>
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<td>Strip level measurement</td>
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### 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

**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

**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

**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
**Bracket Kit**

- 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

**Button Kit**
RackPower
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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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| Model Code: VP4US/20C13/4C19-30A-RP30-60309/3B-1-1 | 60309 | 3 | B | - | - | 1 | - | - | 1 | - |

Example:

Model Code: VP4US/20C13/4C19-30A-RP30-60309/3B-1-1

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Our powerful portfolio of brands:

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