

First in class industry innovation

Powertek is a leading provider of high-quality, customized rack power distribution units (PDUs), and related power solutions to meet the unique needs of demanding datacenters and computerrooms worldwide, releases the new IEXv.5 PDU. Designed according to the latest global standards and using the latest technology to provide you with the industry's highest availability and smartest power monitoring distribution.

Full capacity all time

The new IEX socket is a combination of IEC 320 C13 and IEC 320 C19 sockets that allows you the full usage of the PDU, all of the time. If you change or upgrade the rack equipment and it means different input plugs, no problem. The IEX socket accepts the IEC 320 C14 and IEC 320 C20 plugs from your servers or UPS to any outlet socket on the PDU.

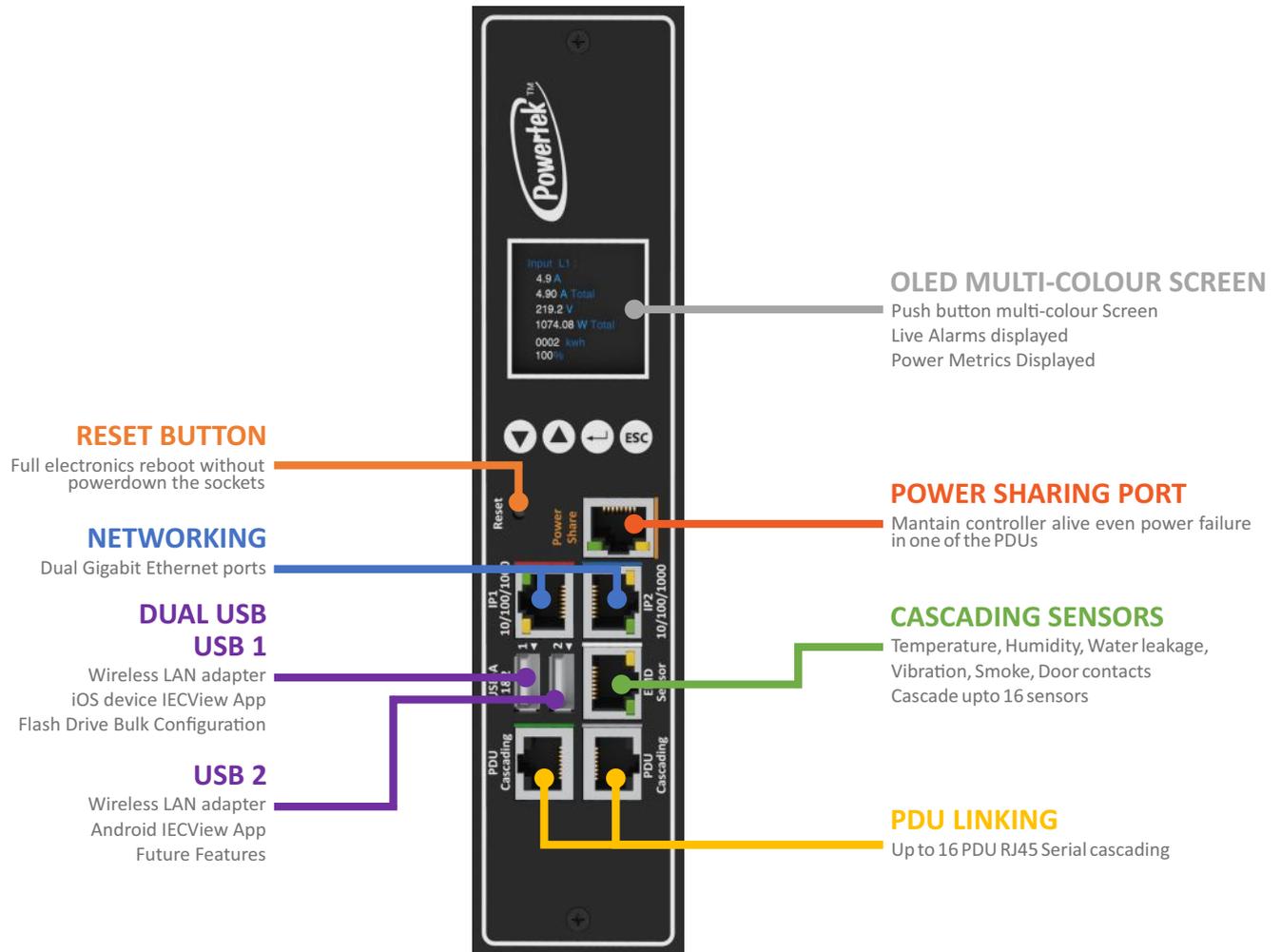
Features

- IEX (C13/C19) all in one combo socket makes the PDU the most versatile, coping with any combination of C14 and C20 plugs.
- PDU cascading allows full control of upto 16 PDUs from one Primary/Master PDU, simplifying the number of IP address required.
- Multi-colour OLED illuminated screen display offering high contrast power usage and alarms.
- Built In POWER SHARE fail over to maintain network connectivity if one of the PDUs in same rack loose power feed
- Built with overated and high-temperature grade components to allow safe and reliably operation in hot 60° (140°F) environments.
- Alternate branch wiring on 3phase systems helps power load balance.
- Full outlet control for remote On/Off or a timed reboot individual outlets or group of outlets to improve the operation uptime.
- Dual 1GB ethernet port for third party access to the PDU.
- IEX lock standard power cord retention and P-Lock and V-Lock power cord compatibility.



Leading in innovation

IEXv.5 PDU is manufactured with the the most advanced hot-swap, field replaceable SNMP IP controller. It is built with dual Gigabit Ethernet ports, an OLED full colour screen, cascading multi-sensor ports, enhanced security, sophisticated alarming and power monitoring across the whole power chain.



Never get caught out by changing outlet requirements for equipment changes

The new IEX socket is a combination of the C13 and C19 outlet standards that gives the maximum flexibility with the ability to hold both C14 and C20 plugs.

Fully patented and backed by IEC/EN and UL safety certifications it brings reliability in design.

IEX removable locker for C14 plugs and lockable power cords for C20 plugs

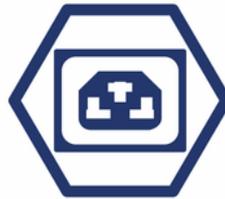
The IEX Lock-VP is a removable component that makes standard C14 plugs lock securely. The C20 Socket design has built in locking compatibly as standard with P-LOCK and V-LOCK plugs



	BASIC	PM (Local Power Meter)	PIML (Per inlet monitoring)	SMART PIM (Per inlet monitoring)	SMART POS (Inlet monitoring + Outlet Switching)	SMART POM (Inlet + Outlet monitoring)	SMART POMS (Inlet + Outlet monitoring) & Switching)
Mechanical features Ultra light aluminium profile Full adjustable mounting options Low profile hydraulic magnetic breakers 10KA Icn C13/C19 combination socket lockable	✓	✓	✓	✓	✓	✓	✓
Inlet Energy Metering PDU input enery metering kWh PDU input power measurements (W, VA, VAR) PDU input (A, V, PF, HZ) measurments Circuit breaker monitoring Residual current monitoring (optional) 3 phase balance indicator		✓	✓	✓	✓	✓	✓
Securtiy Management Memory logs for historical data and graphics User and alarms tresholds customizable			✓	✓	✓	✓	✓
SNMP Controller PDU cascading (up to 16 PDUs) Hot swappable and replaceable controller Double Gigabit Ethernet port Controller Power Share				✓	✓	✓	✓
Outlet control Remote On/Off by individual outlet or groups Power On/Off delay Sequential stratup User level security assignable Individual LED x outlet status indicator					✓		✓
Outlet Metering PDU ouput enery metering kWh PDU output power measurements (W, VA, VAR) PDU output (A, V, PF, HZ) measurments						✓	✓
Environmental Metering Environmental sensor (Tem&Hum) cascading (up to 8) Door contact Smoke detection Vibration Motion sensor Water leakage User and alarms tresholds customizable			✓	✓	✓	✓	✓
Network and Security DHCP, IPv4 and IPv6, DNS, http / https, SSHv.2, SNMP, v1 / v2c / v3, SNMP TRAPS / SETS / GETS, SMTP, Modbus , Telnet, TCP, RADIUS, Syslog, TLS 1.2, SNTP			✓	✓	✓	✓	✓



Full Color Range



High Outlet flexibility and alternating phase



Hydraulic-magnetic Circuit Breakers metering



Secure Locking Outlets



Kwh Metering Accuracy



Patented standard C14 plug locking mechanism

Mechanical features

- Ultra light aluminium profile
- Full adjustable mounting options
- Low profile hydraulic magnetic breakers 10KA Icn
- C13/C19 combination socket lockable

Inlet Energy Metering

- PDU input energy metering kWh
- PDU input power measurements (W, VA)
- PDU input (A, V, PF) measurements
- Circuit breaker monitoring



Accurate Environment Monitoring
cascading sensors EMD



Full Color Range



High Outlet flexibility and alternating phase



RCM Residual Current Monitoring Option



OLED display



Hydraulic-magnetic Circuit Breakers monitoring



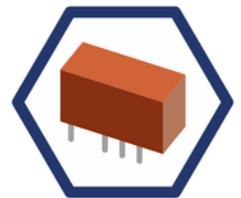
kWh Metering Accuracy



Secure Locking Outlets



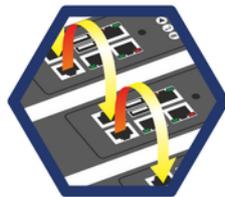
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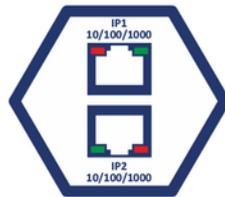
Energy Efficient Latching Relays



Field-Replaceable Controller



PDU Cascading Option



Redundant Network Connections

Mechanical features

- Ultra light aluminium profile
- Full adjustable mounting options
- Low profile hydraulic magnetic breakers 10KA Icn
- C13/C19 combination socket lockable

Inlet Energy Metering

- PDU input energy metering kWh
- PDU input power measurements (W, VA, VAR)
- PDU input (A, V, PF, HZ) measurements
- Circuit breaker monitoring
- Residual current monitoring (optional)
- 3 phase balance indicator

Security Management

- Memory logs for historical data and graphics
- User and alarms thresholds customizable



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OLED display



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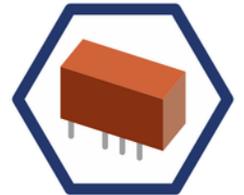
kWh Metering Accuracy



P-Lock & V-Lock Compatible outlets



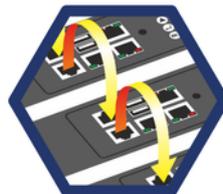
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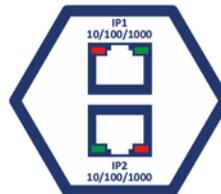
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Outlet Control

- Remote On/Off by individual outlet or groups
- Power On/Off delay
- Sequential startup
- User level security assignable
- Individual LED x outlet status indicator



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cascading sensors EMD



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RCM Residual Current Monitoring Option



Hydraulic-magnetic Circuit Breakers monitoring



kWh Metering Accuracy



Secure Locking Outlets



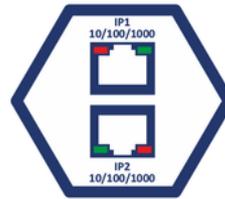
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Field-Replaceable Controller



PDU Cascading Option



Redundant Network Connections



OLED display

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Inlet and Outlet Energy Metering

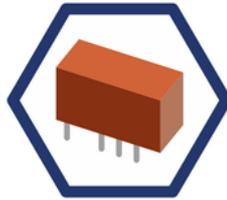
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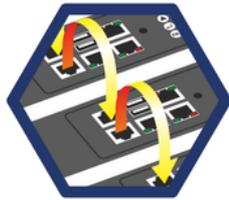
Hydraulic-magnetic Circuit Breakers monitoring



kWh Metering Accuracy



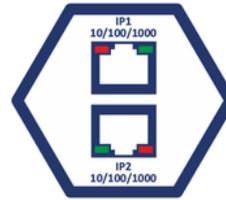
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PDU Cascading Option



RCM Residual Current Monitoring Option



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