Input Metered, Outlet Switched PDU

SKU#: ECX-SV1812120-K

The ECX-SV1812120-K input metered, outlet switched PDU distributes power to devices in the rack and offers real-time phase and circuit breaker metering with network monitoring of power loads for overload avoidance, capacity & load balancing, and energy use optimization. Switched outlets allow power-up equipment sequencing, remote reboot, and outlet access control. A hot-swappable network management control allows for future upgrade and enhanced MTTR. Up to 8 optional environmental sensors and security access handles can be connected and managed through the PDU. ECXSV1812120-K can be monitored through the embedded webUI, telnet, SNMP, or SSH interfaces.

Figure 1 - Input Metered, Outlet Switched PDU - ECX-SV1812120-K

PRODUCT FEATURES

- Outlet access control
- Power sequencing
- Premium, high-temperature, branch-rated, magnetic hydraulic circuit breaker
- Ultra-Low-profile design
- Alternate-branched outlets
- High-density outlet arrangement
- Real-time phase and circuit breaker metering and monitoring of power loads
- Remote PDU access management
- Environmental monitoring to detect temperature, humidity, and water leaks (up-to eight sensors)
- Consolidation of IP address management by daisy-chain of up to four PDU's
- Conforms to the following standards: Redfish API, RESTful API, IPV6-SSL/IPsec, SNMP V3
- Integrates with DCIM and BMS

APPLICATIONS

- Environments that require energy metering
- Colocation facilities
- MDF, IDF, Data Center, Computer Room, Data Room Environment

SPECIFICATIONS

PDU FUNCTION	SPECS
Energy Metering	Voltage (V), Current (A), Active Power (kW), Apparent Power (kVA), Energy (kWh), Power Factor
Metering Accuracy	Billing grade, 1% ISO/IEC 62053-21
Outlet Level Metering	(V, A, kW, kVA, kWh, pf) per ISO/IEC 62053-21
Outlet Switching	Yes, with user programmable startup sequencing
Network Management	Gigabit, 10/100/1000 BaseT
Locking IEC Outlets	Yes, dual methods - Wlock and cable tie downs
Color Coded Outlets and Circuit Breakers	Yes
Field Replaceable Intelligence Module	Yes, full hot-swappable

ELECTRICAL	SPECS
Acceptable Input Voltage	208 VAC, +6%, -10%
Input Current (Phase)	50A (3 phase)
Input Frequency	50/60 Hz
Input Power	27.7 kVA
Input Plug	Hubbell CS8365C
Rated Output Current (Phase)	40A (3 phase)
Rated Output Current (Outlet)	C13: 10A, C19: 16A
Overload Protection (Internal)	(6) 20A, 2-pole, 10kAIC, hy-mag circuit breakers
Outlet Configuration	Total: (12)C13, (12)C19; Per Breaker: (2)C13, (2)C19

PHYSICAL	SPECS
Dimensions	68.9” x 2.05” x 2.09” (1750 x 52 x 53 mm)
Depth at Circuit Breaker, in (mm)	2.95” (75mm)
Input Cord Length, ft (m)	10’ (3m)

SPECIFICATIONS (CONTINUED)

ENVIRONMENTAL	OPERATING	STORAGE
Maximum Elevation, Above MSL	0-10,000 ft / 0-3,000 m	0-50,000 ft / 0-15,000 m
Temperature	23 to 140°F / -5 to 60°C	-13 to 149°F / -25 to 65°C
Outlet Level Metering	5-95% RH non-condensing	5-95% RH non-condensing

COMPLIANCE/STANDARDS	SPECS
EMC Compliance	FCC, ICES
Safety Compliance	UL, cUL, IEC/UL 60950-1, UL/IEC 62368-1, CE-LVD
Environmental	RoHS

WARRANTY	Duration
PDU Warranty	2 Years