Input Metered and Switched PDU

ECX-SVI812120-7

The ECX-SVI812120-7 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. For greater flexibility the ECX-SVI812120-7 features a universal 7-pin input connector allowing for interchangeable input power cables that can adapt to varying power sources depending the available facility power. Switched outlets allow power up equipment sequencing, remote reboot, and outlet access control. A hot swappable network management controller allows for future upgrades and enhanced MTTR. The controller can also manage up to eight environmental sensors, or two security access handles which are managed through the PDU. The ECX-SVI812120-7 is automation friendly and can be managed by webUI, telnet or SSH, SNMP, or RESTful API. Premium hydraulic-magnetic circuit breakers operate reliably in high temperature environments. The ECX-SVI812120-7 offers advanced features, such as color-coded IEC outlets with support for W-lock cords and backed by a 5-year hassle free warranty.

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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

- Power for data center rack equipment
- Colocation facilities
- MDF, IDF, Data Center, Computer Room, Data Room Environment

PDU FUNCTION

ELECTRICAL	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 Switching	Yes with user programmable startup sequencing
Network Management	Gigabit, 10/100/1000 BaseT
Locking IEC Outlets	W-lock IEC C13 and C19 connectors supported
Color-Coded Outlets and Circuit Breakers	Yes
Field Replaceable Intelligence Model	Yes, full hot-swappable

SPECIFICATIONS

ELECTRICAL	SPECS
Acceptable input power (voltage, phase) Regions: North America, EMEA, Japan	NAM, EMEA: 200-240/346-415VAC 3PH WYE, +6%, -10% NAM, JP: 200-240VAC 3PH DELTA, 200-240VAC 1PH +6%, -10%
Input current (phase) Regions: North America, EMEA, Japan	EMEA 3PH: 32A NAM 3PH: 30A (24A derated) 3PH, 50A (40A derated) NAM 1PH: 30A (24A derated) JP 3PH: 30A, 40A JP 1PH: 30A
Input Frequency	50/60 Hz
Input Power	EMEA 3PH 400V: 22.0kVA (32A) NAM 3PH 208V: 8.6kVA (24A) or 14.4kVA (40A) NAM 3PH 415V: 17.3kVA (30A) NAM 1PH 208V: 5.0kVA (24A) JP 3PH 200V: 10.4kVA (30A) or 13.9kVA (40A) JP 1PH 200V: 6.0kVA (30A)
Input Plug	Variable
Rated Output Current (Phase)	NAM: 40A (3 phase), EMEA: 32A, JP: 40A
Rated Output Current (Outlet)	C13: 10A, C19: 16A
Overload Protection (Internal)	(6) 20A, 2-pole 10kAIC hy-mag circuit breakers
Outlet Configuration	(12)C13, (12) C19; Per breaker: (2)C13, (2)C19

PHYSICAL	SPECS
Dimensions (L x W x D) in., mm	73.42” x 2.17” x 5.28” (1865mm x 55mm x 134mm)
Depth at Circuit Breaker, in (mm)	N/A
Input Cord Length, ft (m)	Variable

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
Humidity	5-95% RH non-condensing	5-95% RH non-condensing

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

WARRANTY	SPECS
PDU Warranty	5 years