

Input Metered PDU

SKU#: ECX-MV1824120-L

The ECX-MV1824120-L input metered PDU distributes power to devices in the rack and offers real-time phase and circuit breaker metering, and network monitoring of power loads for overload avoidance, capacity & load balancing, and energy use optimization. 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. The ECX-MV1824120-L can be monitored through the embedded webUI, telnet, SNMP, or SSH interfaces. Symmetrical outlets and phases provide consistent wiring in top or bottom orientations.

PRODUCT FEATURES

- 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



Figure 1 - Input Metered PDU - ECX-MV1824120-L

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)	60A (48A derated, 3 phase)
Input Frequency	50/60 Hz
Input Power	17.3 kVA
Input Plug	IEC 60309 460P9 (IP44)
Rated Output Current (Phase)	48A (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: (24)C13, (12)C19; Per Breaker: (4)C13, (2)C19
PHYSICAL	SPECS
Dimensions	68.9" x 4.13" x 2.09" (1750 x 105 x 53mm)
Depth at Circuit Breaker, in (mm)	2.09" (53mm)
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	5 Years

