

RACKPOWER INTELLIGENT POWER DISTRIBUTION UNITS



INDUSTRY STANDARDS

Certified to UL62368-1, CSA62368-1, IEC/EN62368-1 for Information Technology Equipment

Complies with EN55032, EN55024, FCC Part 15 Subpart B and IEC5-003
 CE, Nemko, Demko
 RoHS
 REACH

APPLICATION

RackPower Intelligent Power Distribution Units (iPDUs) include advanced solutions for power, environment and security management in data center and IT environments. RackPower iPDUs provide comprehensive and accurate energy measurement data to efficiently use power resources, make informed capacity planning decisions, improve uptime, and save energy. RackPower’s full range of iPDUs, environmental sensors and access security eHandles are key to fulfilling mission critical data center needs.

FEATURES

- Input metered, outlet switched, and/or outlet metered configurations available
- Global NEMA and IEC rated plugs and receptacles
- External communications and monitoring with protected and secure LAN connections
- Local and remote power monitoring of single outlets and circuits showing data for current (A), voltage (V), power (kW), energy consumption (kWh) and power factor of entire PDU with billing grade metering accuracy of within ± 1%
- Tool-less hot-swappable Network Management Card (NMC) for flexible assembly and future upgrades

- Circuit breaker status monitoring provides active monitoring and alarming of circuit breaker on/off status
- Color coded outlets by circuit breaker for visual phase and load bank identification to reduce human error
- Adjustable tool-less mounting for fast installation
- High visibility data display and interactive graphic display
- Easy power source identification with user defined electronic color coding on display
- Daisy chain to manage and monitor up to 64 PDUs with a single IP address
- DC two-way power sharing to ensure uptime with always on network management and alarms
- Environmental monitoring and access control with plug and play support for up to 8 digital sensors per iPDU
- Firmware equipped with Secure Boot for enhanced security at the time of device power up

SPECIFICATIONS

- Steel housing
- Single or 3-phase power
- 120, 208, 230, 240, 400 or 415 VAC input voltages
- Various cord length and plug styles available
- NEMA 5-20R, C13, C19, 2-in-1 C13/C15 and 4-in-1 C13/C15/C19/C21 combination outlets available
- 10/100/1000 Mbps Ethernet networking
- Adjustable mounting hardware

FINISH

Standard is black, other finishes available

ORDERING

If the portfolio of pre-configured iPDUs do not meet your application needs, all iPDUs can be configured to order for your specifications. Contact Customer Service to place an order.

RackPower Series Configuration Sets

	RB0000	RP1000	RP2000	RP6000
Input Metered		X	X	X
Outlet Switched			X	X
Outlet Metered				X

Standard Product

Catalog Number	Description	Phase	Voltage (V)	Current (A)	Power Cord Plug	Power (kVA)	Receptacle Quantity	Outlet Type	Length mm/in.	Width mm/in.	Depth mm/in.
RB0316	Basic PDU	1	120	20	NEMA L5-20P	1.9	16	(16)5-20R	817 32.17	52 2.05	53 2.09
RB0323	Basic PDU	1	120	30	NEMA L5-30P	2.9	22	(22)5-20R	817 32.17	52 2.05	53 2.09
RB0324	Basic PDU	1	208	30	NEMA L6-30P	5.0	24	(20)C13, (4)C19	1490 58.66	52 2.05	53 2.09
RB0322A	Basic PDU	1	230	20	C20 w/L6-20P & 316P6	3.7	22	(20)C13, (2)C19	817 32.17	52 2.05	53 2.09
RB0328	Basic PDU	1	230	32	IEC 60309 332P6	7.4	30	(24)C13, (6)C19	1490 58.66	52 2.05	53 2.09
RB0851	Basic PDU	3	208	30	NEMA L21-30P	8.6	42	(21)C13/C15 Combo	1780	56	75
RB0952	Basic PDU	3	208	60	IEC 60309 3P+E 9h 60A (IP44)	17.3	42	(21)C13/C15/C19/C21 Combo	70.08	2.20	2.95
RB0450	Basic PDU	3	400	20(16)/16	IEC 60309 3P+N+E 6h 16A/20A (IP44)	11.5/11.0	42	(21)C13/C15 Combo	1780	56	75
RB0850	Basic PDU	3	400	32/30(24)	IEC 60309 3P+N+E 6h 32A/30A (IP44)	22.1/17.3	48	(21)C13/C15/C19/C21 Combo	58.66	2.20	2.17
RP6324	Outlet Metered, Outlet Switched	1	208	30	NEMA L6-30P	5.0	24	(24)C13/C15/C19/C21 Combo	1780	56	75
RP6325	Outlet Metered, Outlet Switched	1	230	32	IEC 60309 332P6	7.4	24	(20)C13 (4)C19	70.08	2.20	2.95
RP6851	Outlet Metered, Outlet Switched	3	208	30	NEMA L21-30P	8.6	48	(20)C13 (4)C19	1490 58.66	52 2.05	53 2.09
RP6952	Outlet Metered, Outlet Switched	3	208	60	IEC 60309 3P+E 9h 60A (IP44)	17.3	42	(24)C13/C15/C19/C21 Combo	1780	56	75
RP6951	Outlet Metered, Outlet Switched	3	208	50(40)	CS8365	14.4	42	(21)C13/C15/C19/C21 Combo	70.08	2.20	2.95
RP6450	Outlet Metered, Outlet Switched	3	400	20(16)/16	IEC 60309 3P+N+E 6h 16A/20A (IP44)	11.5/11.0	48	(21)C13/C15 Combo	1780	56	75
RP6850	Outlet Metered, Outlet Switched	3	400	30(24)/32	IEC 60309 3P+N+E 6h 32A/30A (IP44)	22.1/17.3	48	(24)C13/C15/C19/C21 Combo	58.66	2.20	2.95
RP6950	Outlet Metered, Outlet Switched	3	400	60(48)	IEC 60309 3P+N+E 6h 563P6/560P6 (IP44)	43.5/34.6	42	(24)C13/C15/C19/C21 Combo	70.08	2.20	2.95
RP1316	Input Metered	1	120	20	NEMA L5-20P	1.9	16	(21)C13/C15/C19/C21 Combo	1826	56	75
RP1327	Input Metered	1	120	30	NEMA L5-30P	2.9	24	(16)5-20R	71.89	2.20	2.95
RP1326A	Input Metered	1	208	20	C20 w/L6-20P & 316P6	3.3	24	(24)5-20R	817 32.17	52 2.05	53 2.09
RP1324	Input Metered	1	208	30	NEMA L6-30P	5.0	24	(24)5-20R	1490 58.66	52 2.05	53 2.09
RP1325	Input Metered	1	230	32	IEC 60309 332P6	7.4	24	(20)C13 (4)C19	1490 58.66	52 2.05	53 2.09
RP1851	Input Metered	3	208	30	NEMA L21-30P	8.6	42	(20)C13, (4)C19	1490 58.66	52 2.05	53 2.09
RP1952	Input Metered	3	208	60	IEC 60309 3P+E 9h 60A (IP44)	17.3	42	(21)C13/C15/C19/C21 Combo	1780	56	75
RP1951	Input Metered	3	208	50(40)	CS8365	14.4	42	(21)C13/C15/C19/C21 Combo	70.08	2.20	2.95
RP1450	Input Metered	3	400	20(16)/16	IEC 60309 3P+N+E 6h 16A/20A (IP44)	11.5/11.0	42	(21)C13/C15/C19/C21 Combo	1780	56	75
RP1850	Input Metered	3	400	30(24)/32	IEC 60309 3P+N+E 6h 32A/30A (IP44)	22.1/17.3	48	(21)C13/C15/C19/C21 Combo	1490	56	55
RP1950	Input Metered	3	400	60(48)	IEC 60309 3P+N+E 6h 563P6/560P6 (IP44)	43.5/34.6	42	(21)C13/C15/C19/C21 Combo	58.66	2.20	2.17
RP2310	Input Metered, Outlet Switched	1	120	20	NEMA L5-20P	1.9	12	(24)C13/C15/C19/C21 Combo	70.08	2.20	2.95
RP2319	Input Metered, Outlet Switched	1	120	30	NEMA L5-30P	2.9	18	(18)5-20R	1826	56	75
RP2324	Input Metered, Outlet Switched	1	208	30	NEMA L6-30P	5.0	24	(21)C13/C15/C19/C21 Combo	71.89	2.20	2.95
RP2326A	Input Metered, Outlet Switched	1	230	20	C20 w/L6-20P & 316P6	3.7	24	(20)C13, (4)C19	917 36.10	52 2.05	53 2.09
RP2325	Input Metered, Outlet Switched	1	230	32	IEC 60309 332P6	7.4	24	(20)C13, (4)C19	1490 58.66	52 2.05	53 2.09
RP2851	Input Metered, Outlet Switched	3	208	30	NEMA L21-30P	8.6	48	(20)C13, (4)C19	1780	56	75
RP2952	Input Metered, Outlet Switched	3	208	60	IEC 60309 3P+E 9h 60A (IP44)	17.3	42	(24)C13/C15/C19/C21 Combo	70.08	2.20	2.95
RP2951	Input Metered, Outlet Switched	3	208	50(40)	CS8365	14.4	42	(21)C13/C15/C19/C21 Combo	1826	56	75
RP2450	Input Metered, Outlet Switched	3	400	20(16)/16	IEC 60309 3P+N+E 6h 16A/20A (IP44)	11.5/11.0	42	(21)C13/C15/C19/C21 Combo	71.89	2.20	2.95
RP2850	Input Metered, Outlet Switched	3	400	30(24)/32	IEC 60309 3P+N+E 6h 32A/30A (IP44)	22.1/17.3	48	(21)C13/C15/C19/C21 Combo	1826	56	75
RP2950	Input Metered, Outlet Switched	3	400	60(48)	IEC 60309 3P+N+E 6h 563P6/560P6 (IP44)	43.5/34.6	42	(24)C13/C15/C19/C21 Combo	70.08	2.20	2.95

ENVIRONMENTAL MONITORING SENSORS



APPLICATION

Sensors add comprehensive environmental monitoring to any RackPower intelligent PDU. Plug and play sensors seamlessly integrate with PDUs and monitoring software.

Environmental sensors are engineered with an embedded microchip that converts analog signals to digital format before data travels to the PDU, providing greater accuracy. This smart design enables plug and play installation that takes just moments to complete. Installation of sensors and ongoing equipment maintenance is further facilitated by the use of quick disconnect couplers and Ethernet cable, which allow for convenient extension of sensors, movement of equipment, and an easy disconnect method for removing rack enclosure doors.

FEATURES

- External sensors include 2M (78.74 in.) cords
- Plug and play support for up to 8 digital sensors per PDU
- Low profile design with magnetic base for easy affixing to the cabinet

Catalog Number	Description
EA9102	Temperature Sensor
EA9103	Temperature and Humidity Sensor
EA9105	(3) Temperature + (1) Humidity Sensor
EA9106	Sensor Input Hub (3 sensor inputs)
EA9109	Door Switch Sensor
EA9110	Dry Contact Cable
EA9111	Spot Fluid Leak Sensor
EA9112	Rope Fluid Leak Sensor

SECURITY ACCESS CONTROL EHANDLE



FEATURES

- Single or dual authentication
- Triple embedded proximity card reader. Supported RFID cards include:
 - MIFARE Classic 4k - UID
 - MIFARE Plus 2k - UID
 - MIFARE DESFire 4k - UID
 - HIS iClass - UID
 - HID 125 kHz prox - CSN
 - EM125 kHz Prox - CSN
- Remote lock/unlock and remote monitoring
- Local lock status indicator with multi-color LED indicator
- Dual sided visible LED alarm beacons to indicate power, environmental, or security alarm status for the rack
- User customizable key lock for manual over-ride
- Embedded humidity sensor and additional environmental sensor port
- Local data storage of 200 user credentials and 500 local events
- Customizable alarm, LED status, and access configuration settings

Catalog Number	Description
EA9500	Access Control eHandle - RFID and Keypad
EA9502	Access Control eHandle - RFID
EA9530	Access Control eHandle iPDU Harness
EA9550	eHandle Sensor - Door Open/Close Temperature Sensor
EA9551	eHandle Sensor - Door Open/Close 3X Temperature Sensor

APPLICATION

The security access control eHandle is an intelligent electromechanical locking system for server and networking cabinets. The eHandle seamlessly integrates with the network controller and RackPower iPDUs to serve as a hub for access control and environmental monitoring.

LOCKING POWER CORDS



Secure dual W-Lock power cords provide enhanced cord retention between both the PDU and IT equipment. Both connections require deliberate action in order to release the locking buttons to prevent accidental detachment of power connections. Cords function with any corresponding standard IEC receptacle, but locking feature requires compatible W-lock or V-lock outlets.

Catalog Number	PDU Outlet Type	Equipment Input Connection Type	Length (ft.)	Length (m)	Color	Quantity
EP1314024X150	Locking IEC C13	Locking IEC C14	1.97	0.6	Black	150
EP1314048X125	Locking IEC C13	Locking IEC C14	3.94	1.2	Black	125
EP1314072X100	Locking IEC C13	Locking IEC C14	5.91	1.8	Black	100
EP1920024X100	Locking IEC C19	Locking IEC C20	1.97	0.6	Black	100
EP1920048X75	Locking IEC C19	Locking IEC C20	3.94	1.2	Black	75
EP1920072X50	Locking IEC C19	Locking IEC C20	5.91	1.8	Black	50
EP1314B24X150	Locking IEC C13	Locking IEC C14	1.97	0.6	Blue	150
EP1314B48X125	Locking IEC C13	Locking IEC C14	3.94	1.2	Blue	125
EP1314B72X100	Locking IEC C13	Locking IEC C14	5.91	1.8	Blue	100
EP1920B24X100	Locking IEC C19	Locking IEC C20	1.97	0.6	Blue	100
EP1920B48X75	Locking IEC C19	Locking IEC C20	3.94	1.2	Blue	75
EP1920B72X50	Locking IEC C19	Locking IEC C20	5.91	1.8	Blue	50
EP1314R24X150	Locking IEC C13	Locking IEC C14	1.97	0.6	Red	150
EP1314R48X125	Locking IEC C13	Locking IEC C14	3.94	1.2	Red	125
EP1314R72X100	Locking IEC C13	Locking IEC C14	5.91	1.8	Red	100
EP1920R24X100	Locking IEC C19	Locking IEC C20	1.97	0.6	Red	100
EP1920R48X75	Locking IEC C19	Locking IEC C20	3.94	1.2	Red	75
EP1920R72X50	Locking IEC C19	Locking IEC C20	5.91	1.8	Red	50