# POWERLOK RACK PDU SPECIFICATION
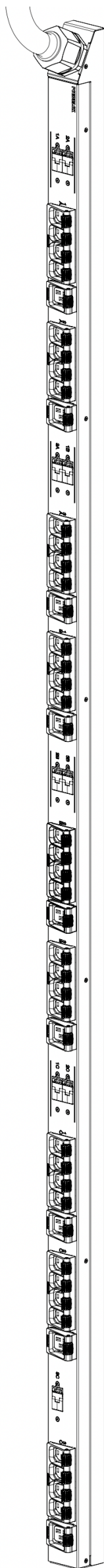
## Specific Configurations

| COLOR | CARBON | | RED | | WHITE | | BLUE | |
|---|---|---|---|---|---|---|---|---|
| WHIP LENGTH | 6 FT | 10 FT | 6 FT | 10 FT | 6 FT | 10 FT | 6 FT | 10 FT |
| **BASIC MODEL** | UP8815B-06C | UP8815B-10C | UP8815B-06R | UP8815B-10R | UP8815B-06W | UP8815B-10W | UP8815B-06B | UP8815B-10B |
| DESCRIPTION | RACK PDU, 82", 60A 240/415V WYE 3PH, 36-C19, IEC 309 (IP44), CORDLOK | | | | | | | |
| POWER | 60A 240/415V WYE 3PH (34.5 kW) | | | | | | | |
| PLUG TYPE | IEC 309 (IP44) | | | | | | | |
| UNIT LENGTH | 82 INCHES | | | | | | | |
| RECEPTACLES | 36-C19 | | | | | | | |
| CORDLOK | YES | | | | | | | |

## Universal Specification

| | |
|---|---|
| Over Current Protection | 20A UL489 magnetic breakers |
| Power Whip | See PDU Ratings Table - page 2 |
| Heavy Steel - Powder Coat Color | Per PowerLok specific configuration for color |
| Rack PDU Type | Vertical Rack-mount |
| Toolless Mounting: Center Spacing | 61.25" |
| Manufactured in the USA | Yes |
| Product Warranty | 3-year from date of shipment, repair or replace. |
| Certification/Agency Approvals | TUV Certified to UL/CSA 60950-1 with NOM Addendum for Mexico, FCC Part 15 Class A conformance, RoHS compliant |
| Operating Environment | 0-60C (32-149F), 5-95% relative humidity, 0-10,000ft (0-3000 meters) elevation. |
| Storage Environment | -25-65C (-13-149F), 5-95% relative humidity, 0-10,000ft (0-3000 meters) elevation. |
| Chassis Dimensions (LxWxD) | 82.0"L x 2.18"W x 2.0"D |
| Package Dimensions (LxWxD) | 90.0"L x 22.0"W x 4.8"D (3&4-Pack), 90.0"L x 11.0"W x 4.8"D (1&2-Pack) |
| Pallet Dimensions (LxWxD) | 92"L x 44"W x 5.0"D |
| Rack PDU Weight | 21.3 lbs. |
| Packaged Weight (each) | 23.3 lbs. |

## Monitored & Switched Versions Only

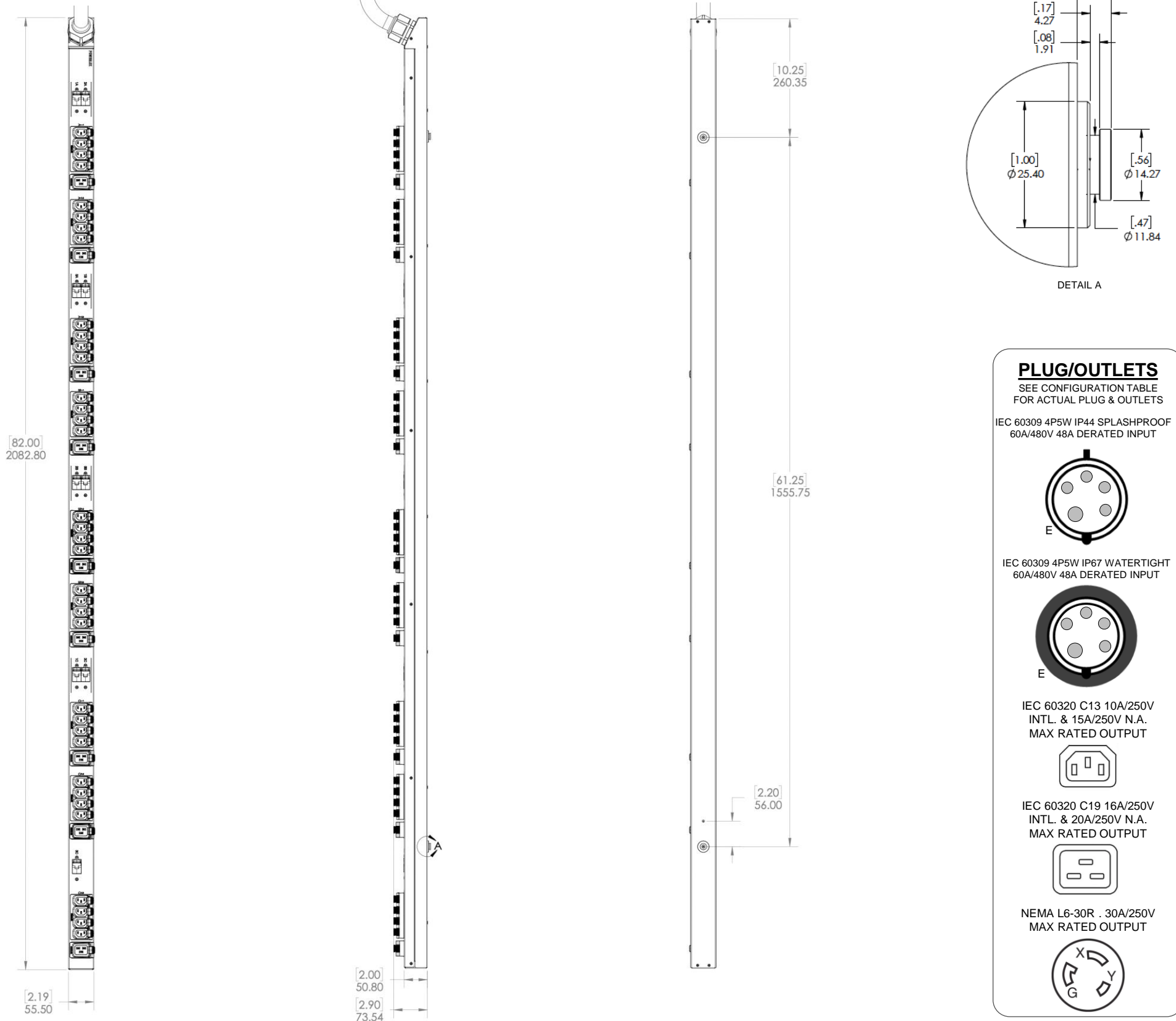| | |
|---|---|
| MONITORING TYPE: | REMOTE & TOUCHSCREEN DISPLAY, ENVIROLOK READY. SWITCHED READY |
| Monitoring Accuracy | Voltage: +/- 0.5% at nominal. Current: within 0.5% from 1A to 30A typical. +/1% of measurement from 500mA to 30A. |
| Total Unit & Group Monitoring | Aggregate (kWh, W, VA) plus Phase: A, B, C Line Currents, plus Group: 1, 2, 3 Monitoring (kWh, W, VA, PF, V, A) |
| Network Interface | Ethernet RJ-45, 10 Mbit/s, 100 Mbit/s |
| Transport/Internet | TCP/IP v4, v6 |
| Network Applications | HTTP/HTTPS Webserver<br>SNMP-V1/V2c/V3 Network Management<br>DHCP for dynamic IP address request from a server on the network.<br>Remote firmware upgrade using FTP. |
| Touch & Rotatable Digital Display | Touch to rotate / touch to view data screens |
| Internal RMS Voltage Sensor | Yes |
| Internal RMS Current Sensor | Yes |
| Environmental Monitoring | Optional EnviroLok daisy chain temp/humidity (optional - up to 4 sensors).<br>Monitoring accuracy +/- 0.2C and +/- 2% Rh. |

Example drawing shown. See table for actual receptacle configuration.

**POWERLOK**

| *CUSTOMER SIGNATURE: | DATE: | UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MM AND TOLERANCES ARE: | Upsite Technologies |
|---|---|---|---|
| *PRIOR TO MANUFACTURING, BUILD MODELS REQUIRE CUSTOMER SIGN-OFF. BY SIGNING, CUSTOMER AGREES THAT THIS ORDER IS NON-CANCELABLE AND NON-RETURNABLE. | | X = +/- 0.5<br>.X = +/- 0.25<br>.XX = +/- 0.13<br>X" = +/- 0.5" | TITLE:<br>**RACK PDU SPECIFICATION** |
| | | | DRAWING NUMBER: SP-UP8815 — SHEET: **1 OF 2** |

# OUTLINE DRAWING



**82.00**
2082.80

**2.19**
55.50

**10.25**
260.35

**61.25**
1555.75

**2.20**
56.00

**2.00**
50.80

**2.90**
73.54

DETAIL A

**[.27]**
6.81

**[.17]**
4.27

**[.08]**
1.91

**[1.00]**
Ø 25.40

**[.56]**
Ø 14.27

**[.47]**
Ø 11.84

## PLUG/OUTLETS
SEE CONFIGURATION TABLE
FOR ACTUAL PLUG & OUTLETS

IEC 60309 4P5W IP44 SPLASHPROOF
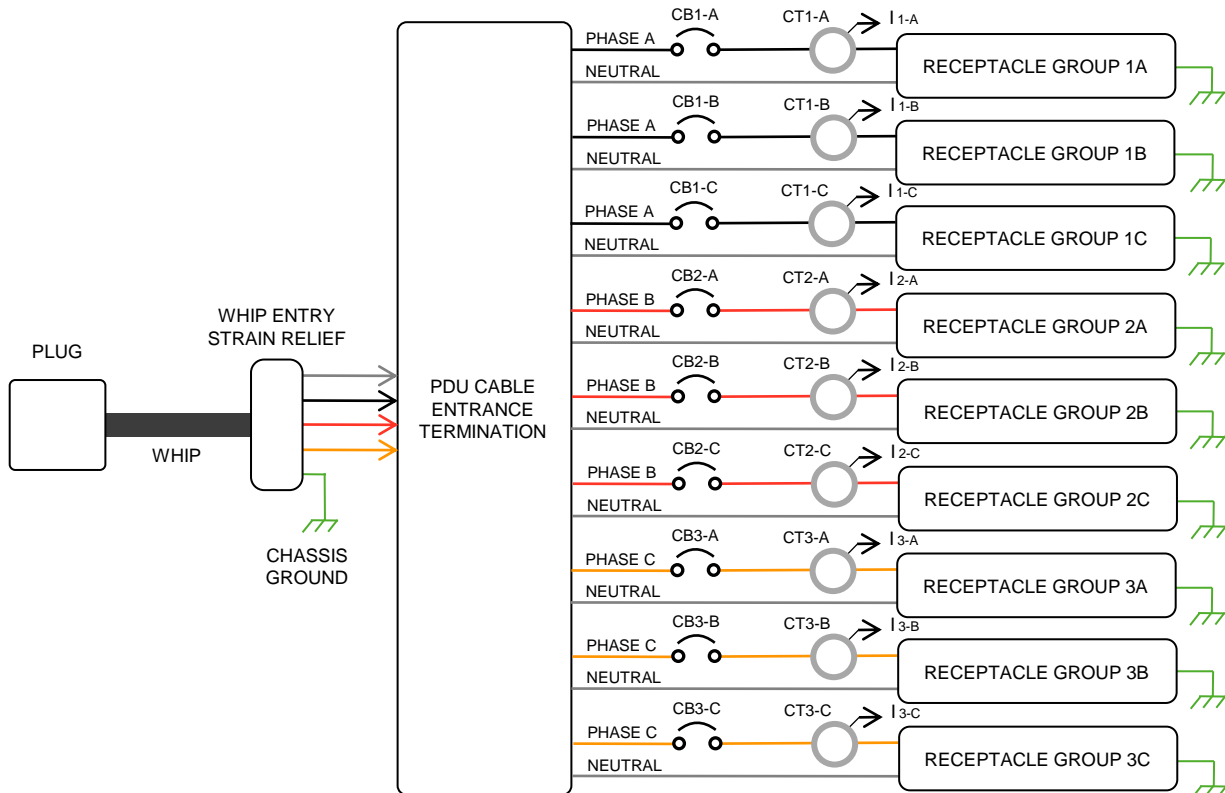60A/480V 48A DERATED INPUT

IEC 60309 4P5W IP67 WATERTIGHT
60A/480V 48A DERATED INPUT

IEC 60320 C13 10A/250V
INTL. & 15A/250V N.A.
MAX RATED OUTPUT

IEC 60320 C19 16A/250V
INTL. & 20A/250V N.A.
MAX RATED OUTPUT

NEMA L6-30R . 30A/250V
MAX RATED OUTPUT

# PDU WIRING DIAGRAM & RATINGS TABLE



PLUG

WHIP

WHIP ENTRY
STRAIN RELIEF

CHASSIS
GROUND

PDU CABLE
ENTRANCE
TERMINATION

| CB | CT | | |
|---|---|---|---|
| CB1-A | CT1-A | $I_{1-A}$ | PHASE A / NEUTRAL — RECEPTACLE GROUP 1A |
| CB1-B | CT1-B | $I_{1-B}$ | PHASE A / NEUTRAL — RECEPTACLE GROUP 1B |
| CB1-C | CT1-C | $I_{1-C}$ | PHASE A / NEUTRAL — RECEPTACLE GROUP 1C |
| CB2-A | CT2-A | $I_{2-A}$ | PHASE B / NEUTRAL — RECEPTACLE GROUP 2A |
| CB2-B | CT2-B | $I_{2-B}$ | PHASE B / NEUTRAL — RECEPTACLE GROUP 2B |
| CB2-C | CT2-C | $I_{2-C}$ | PHASE B / NEUTRAL — RECEPTACLE GROUP 2C |
| CB3-A | CT3-A | $I_{3-A}$ | PHASE C / NEUTRAL — RECEPTACLE GROUP 3A |
| CB3-B | CT3-B | $I_{3-B}$ | PHASE C / NEUTRAL — RECEPTACLE GROUP 3B |
| CB3-C | CT3-C | $I_{3-C}$ | PHASE C / NEUTRAL — RECEPTACLE GROUP 3C |

| INPUT POWER: | |
|---|---|
| WHIP TYPE | 6GA 5-WIRE SOOW TYPE W |
| VOLTAGE | 240/415V WYE 3PH |
| FREQUENCY | 50/60 HZ |
| RATED AMPS | 60A |
| MAX CONT. AMPS | 48A |
| **OUTPUT POWER:** | |
| GROUP 1A | PH A-N, 16A MAX CONT. |
| GROUP 1B | PH A-N, 16A MAX CONT. |
| GROUP 1C | PH A-N, 16A MAX CONT. |
| GROUP 2A | PH B-N, 16A MAX CONT. |
| GROUP 2B | PH B-N, 16A MAX CONT. |
| GROUP 2C | PH B-N, 16A MAX CONT. |
| GROUP 3A | PH C-N, 16A MAX CONT. |
| GROUP 3B | PH C-N, 16A MAX CONT. |
| GROUP 3C | PH C-N, 16A MAX CONT. |

# POWERLOK

MADE AND ROBOTICALLY SOLDERED IN THE USA

Upsite Technologies

| CUSTOMER APPROVAL* | DATE |
|---|---|
| | |

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN MM AND TOLERANCES ARE
X: +/- .5
.X: +/- .25
.XX: +/- .13
X°: +/- .5°

TITLE:
**RACK PDU SPECIFICATION**

| DRAWING NUMBER: | SHEET: |
|---|---|
| SP-PL8815 | 2 OF 2 |