GREAT LAKES RACK PDU SPECIFICATION
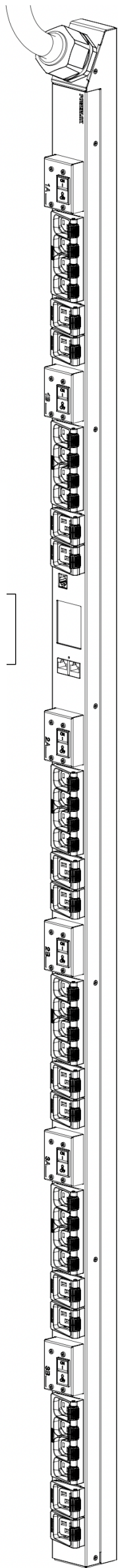
Specific Configurations

COLOR	CARBON		RED		WHITE		BLUE	
WHIP LENGTH	6 FT	10 FT	6 FT	10 FT	6 FT	10 FT	6 FT	10 FT
SWITCHED READY MODEL	GL8521S-06C	GL8521S-10C	GL8521S-06R	GL8521S-10R	GL8521S-06W	GL8521S-10W	GL8521S-06B	GL8521S-10B
MONITORED MODEL	GL8521M-06C	GL8521M-10C	GL8521M-06R	GL8521M-10R	GL8521M-06W	GL8521M-10W	GL8521M-06B	GL8521M-10B
BASIC MODEL	GL8521B-06C	GL8521B-10C	GL8521B-06R	GL8521B-10R	GL8521B-06W	GL8521B-10W	GL8521B-06B	GL8521B-10B
DESCRIPTION	RACK PDU, 72", 50A 208/240V DELTA 3PH, 30-C19, CS8365C, CORDLOK							
POWER	50A 208/240V DELTA 3PH (14.4 kW)							
PLUG TYPE	CS8365C							
UNIT LENGTH	72 INCHES							
RECEPTACLES	30-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)	72.0"L x 2.18"W x 2.0"D
Package Dimensions (LxWxD)	80.0"L x 22.0"W x 4.8"D (3&4-Pack), 80.0"L x 11.0"W x 4.8"D (1&2-Pack)
Pallet Dimensions (LxWxD)	82"L x 44"W x 5.0"D
Rack PDU Weight	18.3 lbs.
Packaged Weight (each)	20.3 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 SNMP-V1/V2c/V3 Network Management DHCP for dynamic IP address request from a server on the network. 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). Monitoring accuracy +/- 0.2C and +/- 2% Rh.

MONITORED VERSIONS ONLY

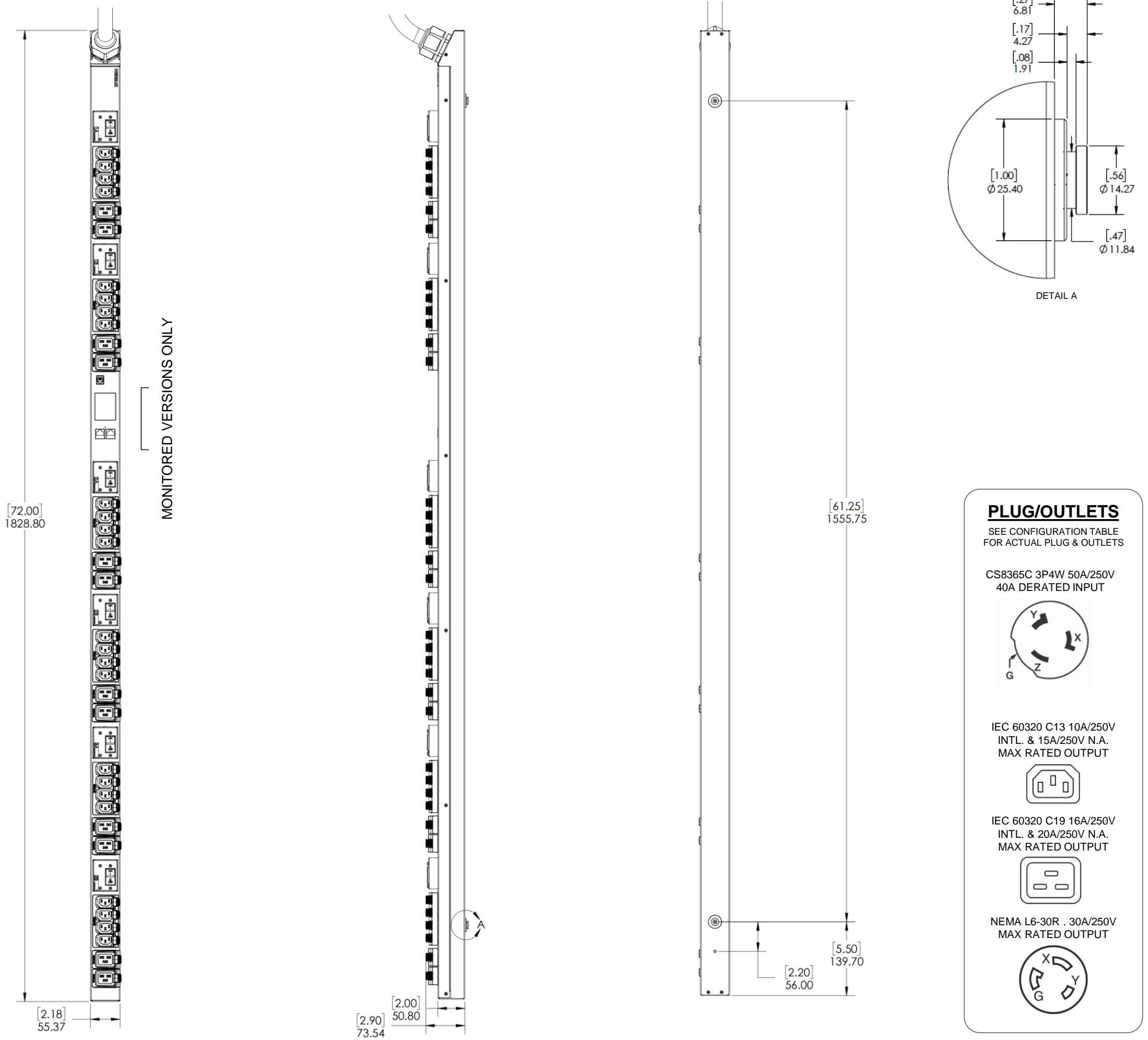Example receptacle configuration shown. See specific configuration table.

OUTLINE DRAWING

MONITORED VERSIONS ONLY

[72.00]
1828.80

[2.18]
55.37

[2.00]
50.80

[2.90]
73.54

[61.25]
1555.75

[5.50]
139.70

[2.20]
56.00

[.27]
6.81

[.17]
4.27
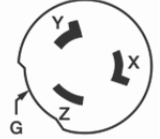
[.08]
1.91

[1.00]
Ø 25.40

[.56]
Ø 14.27

[.47]
Ø 11.84

DETAIL A

PLUG/OUTLETS

SEE CONFIGURATION TABLE
FOR ACTUAL PLUG & OUTLETS

CS8365C 3P4W 50A/250V
40A DERATED INPUT

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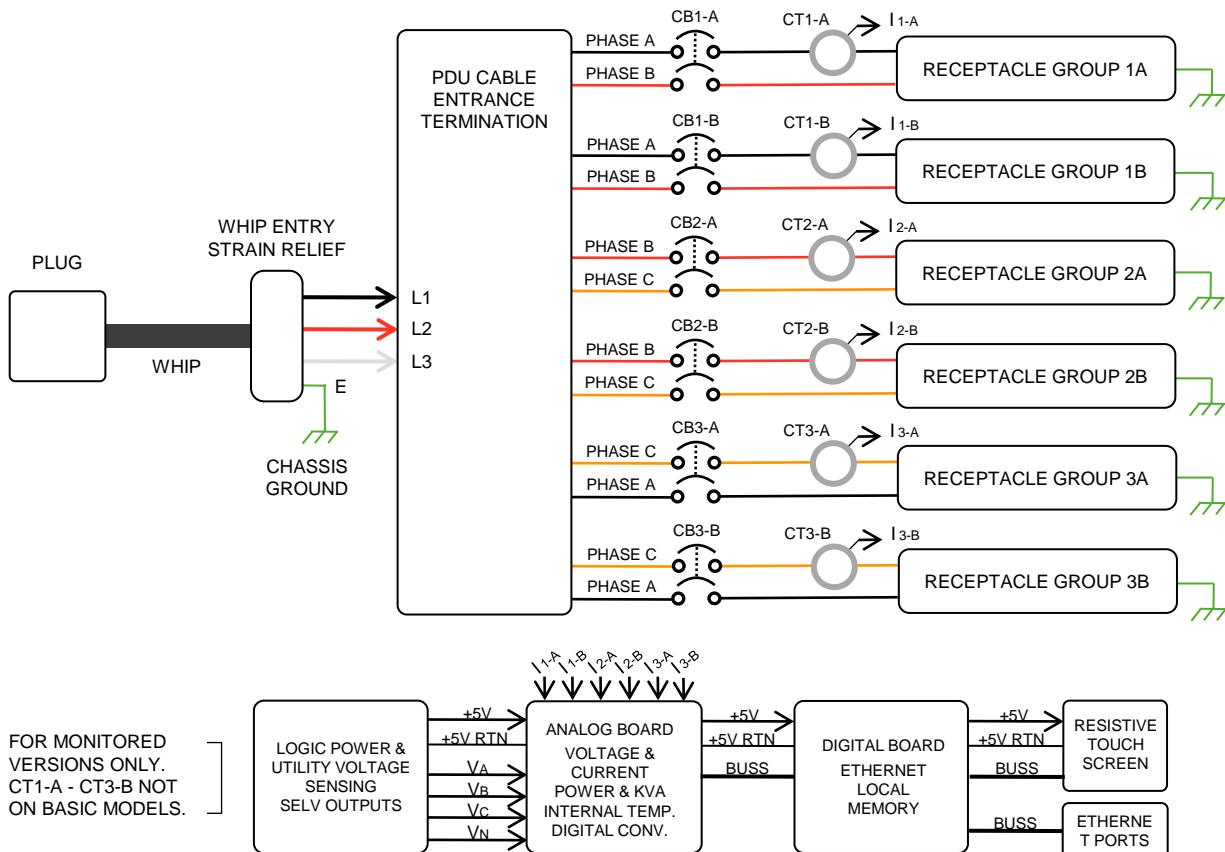INTL. & 15A/250V N.A.
MAX RATED OUTPUT

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

L1
L2
L3
E

PDU CABLE
ENTRANCE
TERMINATION

CB1-A	CT1-A	I 1-A
PHASE A	PHASE B	RECEPTACLE GROUP 1A
CB1-B	CT1-B	I 1-B
PHASE A	PHASE B	RECEPTACLE GROUP 1B
CB2-A	CT2-A	I 2-A
PHASE B	PHASE C	RECEPTACLE GROUP 2A
CB2-B	CT2-B	I 2-B
PHASE B	PHASE C	RECEPTACLE GROUP 2B
CB3-A	CT3-A	I 3-A
PHASE C	PHASE A	RECEPTACLE GROUP 3A
CB3-B	CT3-B	I 3-B
PHASE C	PHASE A	RECEPTACLE GROUP 3B

FOR MONITORED
VERSIONS ONLY.
CT1-A - CT3-B NOT
ON BASIC MODELS.

LOGIC POWER &
UTILITY VOLTAGE
SENSING
SELV OUTPUTS

+5V
+5V RTN
V_A
V_B
V_C
V_N

ANALOG BOARD
VOLTAGE &
CURRENT
POWER & KVA
INTERNAL TEMP.
DIGITAL CONV.

I_{1-A} I_{1-B} I_{2-A} I_{2-B} I_{3-A} I_{3-B}

+5V
+5V RTN
BUSS

DIGITAL BOARD
ETHERNET
LOCAL
MEMORY

+5V
+5V RTN
BUSS

BUSS

RESISTIVE
TOUCH
SCREEN

ETHERNET PORTS

INPUT POWER:	
WHIP TYPE	6GA 4-WIRE SOOW TYPE W
VOLTAGE	208/240V DELTA 3PH
FREQUENCY	50/60 HZ
RATED AMPS	50A
MAX CONT. AMPS	40A
OUTPUT POWER:	
GROUP 1A	PH A-N, 16A MAX CONT.
GROUP 1B	PH A-N, 16A MAX CONT.
GROUP 2A	PH B-N, 16A MAX CONT.
GROUP 2B	PH B-N, 16A MAX CONT.
GROUP 3A	PH C-N, 16A MAX CONT.
GROUP 3B	PH C-N, 16A MAX CONT.

MADE AND ROBOTICALLY SOLDERED IN THE USA

*CUSTOMER SIGNATURE:	DATE:

*PRIOR TO MANUFACTURING, BUILD MODELS
REQUIRE CUSTOMER SIGN-OFF. BY SIGNING,
CUSTOMER AGREES THAT THIS ORDER IS NON-
CANCELABLE AND NON-RETURNABLE.

UNLESS OTHERWISE
SPECIFIED, ALL
DIMENSIONS ARE IN MM
AND TOLERANCES ARE:

X = +/- 0.5
.X = +/- 0.25
.XX = +/- 0.13
X° = +/- 0.5°

GREAT LAKES

Great Lakes Data Racks and Cabinets

TITLE:
RACK PDU SPECIFICATION

DRAWING NUMBER:	SHEET:
SP-GL8521	**2 OF 2**

THIS SPECIFICATION AND ITS CONTENTS ARE THE PROPERTY OF GREAT LAKES DATA RACKS AND CABINETS AND SHALL NOT BE COPIED OR REPRODUCED FOR ANY PURPOSES OTHER THAN APPLICATION OF PRODUCT MANUFACTURED BY GREAT LAKES. THIS DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE.