GREAT LAKES RACK PDU SPECIFICATION
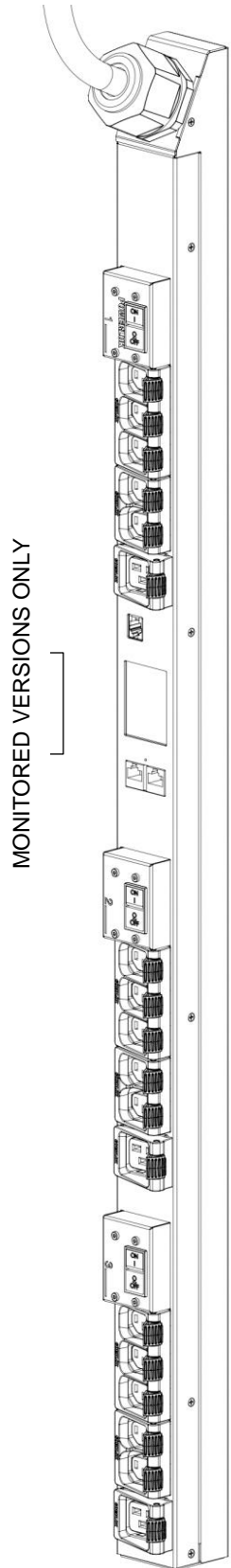
Specific Configurations

COLOR	CARBON		RED		WHITE		BLUE	
WHIP LENGTH	6 FT	10 FT	6 FT	10 FT	6 FT	10 FT	6 FT	10 FT
MONITORED MODEL	GL8446M-06C	GL8446M-10C	GL8446M-06R	GL8446M-10R	GL8446M-06W	GL8446M-10W	GL8446M-06B	GL8446M-10B
SWITCHED READY MODEL	GL8446S-06C	GL8446S-10C	GL8446S-06R	GL8446S-10R	GL8446S-06W	GL8446S-10W	GL8446S-06B	GL8446S-10B

DESCRIPTION	RACK PDU, 41", 35A 208/240V DELTA 3PH, 21-C13, CS8365C, CORDLOK
MONITORING	REMOTE COMM & UNIT DISPLAY, ENVIROLOK READY
SWITCHING	REMOTE COMM & UNIT DISPLAY, ENVIROLOK READY, SWITCHLOK READY
POWER	35A 208/240V 3PH (11.2 kW)
PLUG TYPE	CS8365C
UNIT LENGTH	41 INCHES
RECEPTACLES	21-C13
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	24.50"
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)	40.98"L x 2.18"W x 2.0"D
Package Dimensions (LxWxD)	49.0"L x 22.0"W x 4.8"D (3&4-Pack), 49.0"L x 11.0"W x 4.8"D (1&2-Pack)
Pallet Dimensions (LxWxD)	49"L x 44"W x 5.0"D
Rack PDU Weight	12.0 lbs.
Packaged Weight (each)	14.0 lbs.

Monitored & Switched Versions Only

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.

Example drawing shown. See table for actual receptacle configuration.
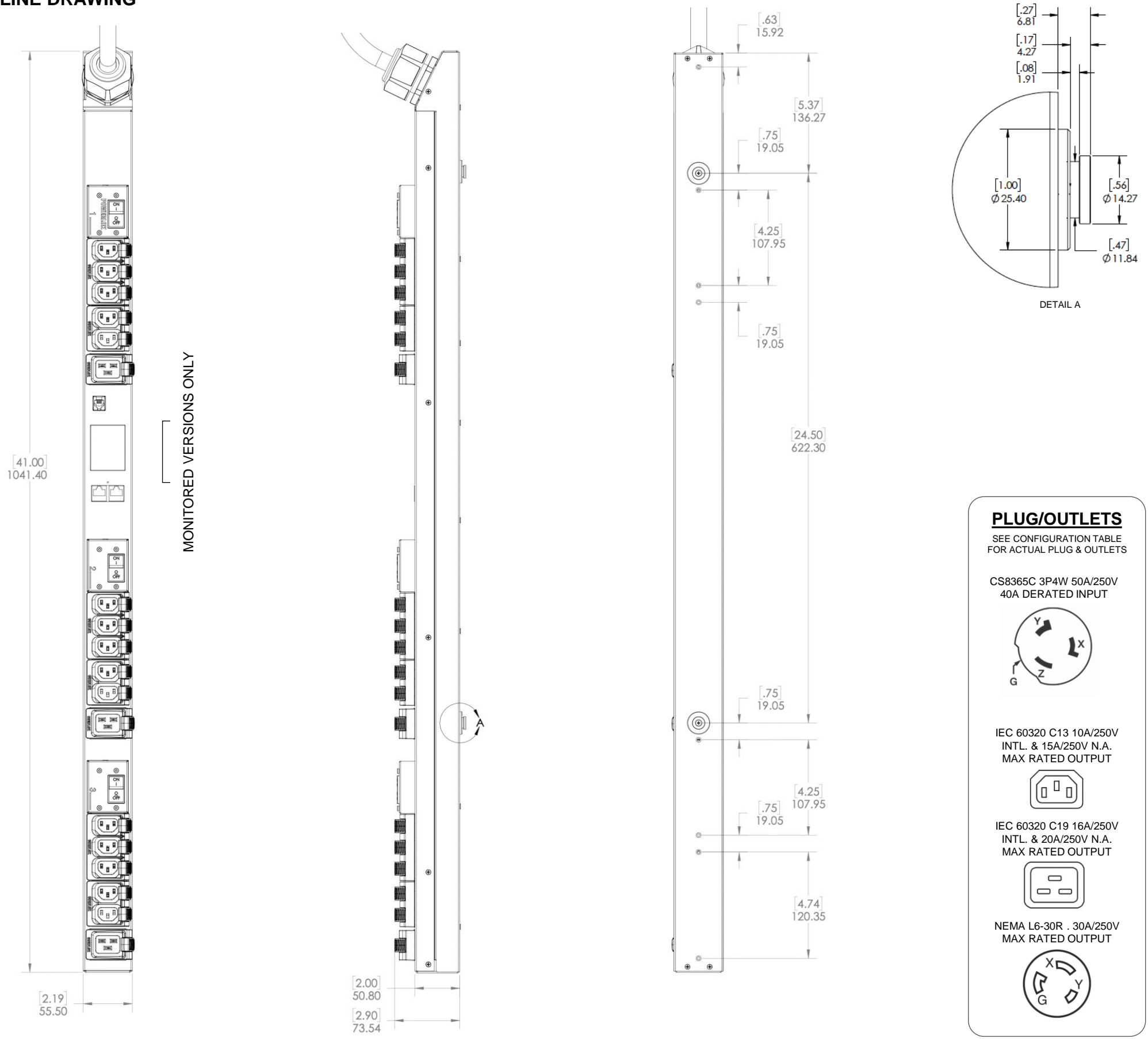
OUTLINE DRAWING

MONITORED VERSIONS ONLY

.63 / 15.92

5.37 / 136.27

.75 / 19.05

4.25 / 107.95

.75 / 19.05

24.50 / 622.30

.75 / 19.05

.75 / 19.05

4.25 / 107.95

4.74 / 120.35

41.00 / 1041.40

2.19 / 55.50

2.00 / 50.80

2.90 / 73.54

[.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

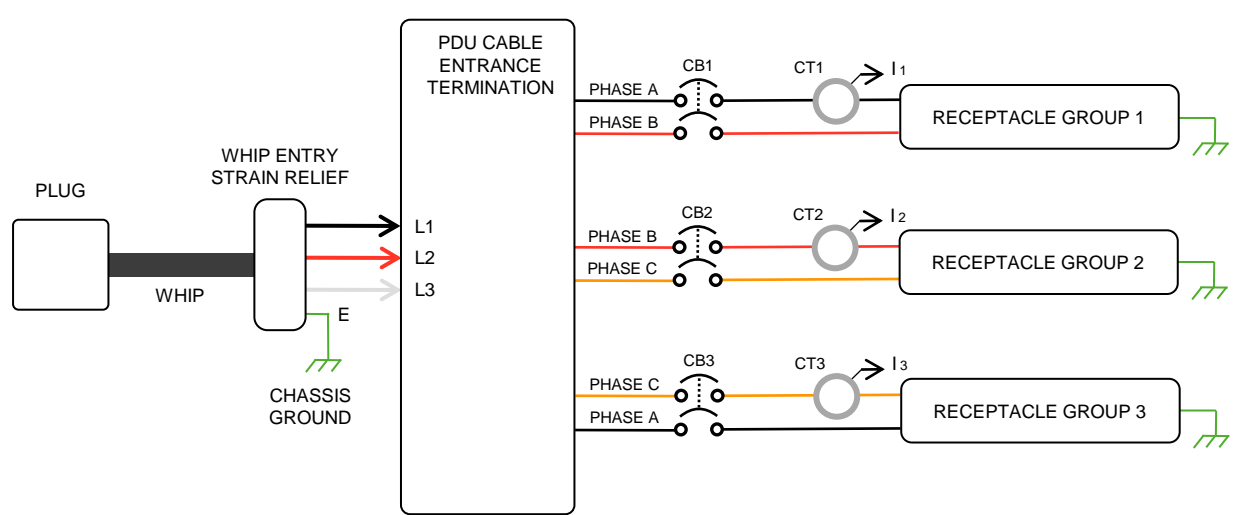SEE CONFIGURATION TABLE FOR ACTUAL PLUG & OUTLETS

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
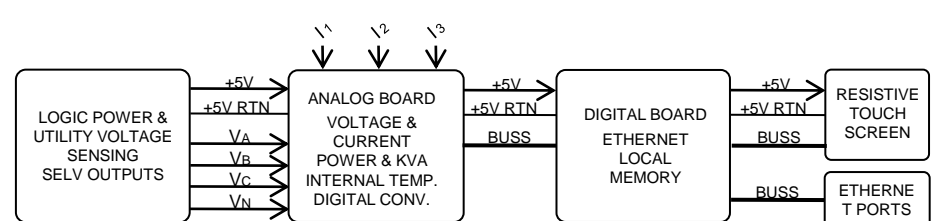INTL. & 20A/250V N.A.
MAX RATED OUTPUT

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

PDU WIRING DIAGRAM & RATINGS TABLE

PLUG

WHIP ENTRY STRAIN RELIEF

WHIP

CHASSIS GROUND

PDU CABLE ENTRANCE TERMINATION

L1
L2
L3
E

PHASE A / CB1 / CT1 / I₁ — RECEPTACLE GROUP 1
PHASE B

PHASE B / CB2 / CT2 / I₂ — RECEPTACLE GROUP 2
PHASE C

PHASE C / CB3 / CT3 / I₃ — RECEPTACLE GROUP 3
PHASE A

FOR MONITORED VERSIONS ONLY. CT1-3 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 I_2 I_3

+5V
+5V RTN
BUSS

DIGITAL BOARD ETHERNET LOCAL MEMORY

+5V
+5V RTN
BUSS

BUSS

RESISTIVE TOUCH SCREEN

ETHERNET PORTS

INPUT POWER:	
WHIP TYPE	8GA 4-WIRE SOOW
VOLTAGE	208/240V DELTA 3PH
FREQUENCY	50/60 HZ
RATED AMPS	35A
MAX CONT.AMPS	28A
OUTPUT POWER:	
GROUP 1	PH A-B, 16A MAX CONT.
GROUP 2	PH B-C, 16A MAX CONT.
GROUP 3	PH C-A, 16A MAX CONT.

MADE AND ROBOTICALLY SOLDERED IN THE USA

GREAT LAKES

*CUSTOMER SIGNATURE:	DATE:	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MM AND TOLERANCES ARE:	Great Lakes Data Racks and Cabinets
*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 .X = +/- 0.25 .XX = +/- 0.13 X" = +/- 0.5"	TITLE: **RACK PDU SPECIFICATION**

DRAWING NUMBER: SP-GL8446	SHEET: 2 OF 2

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