GREAT LAKES RACK PDU SPECIFICATION
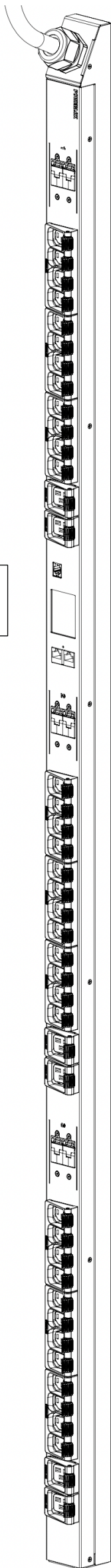
Specific Configurations

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	GL8433S-06C	GL8433S-10C	GL8433S-06R	GL8433S-10R	GL8433S-06W	GL8433S-10W	GL8433S-06B	GL8433S-10B
MONITORED MODEL	GL8433M-06C	GL8433M-10C	GL8433M-06R	GL8433M-10R	GL8433M-06W	GL8433M-10W	GL8433M-06B	GL8433M-10B
BASIC MODEL	GL8433B-06C	GL8433B-10C	GL8433B-06R	GL8433B-10R	GL8433B-06W	GL8433B-10W	GL8433B-06B	GL8433B-10B

DESCRIPTION	RACK PDU, 72", 35A 208/240V DELTA 3PH, 36-C13 & 6-C19, CS8365C, CORDLOK
POWER	35A 208/240V DELTA 3PH (11.2 kW)
PLUG TYPE	CS8365C
UNIT LENGTH	72 INCHES
RECEPTACLES	36-C13 & 6-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	15.0 lbs.
Packaged Weight (each)	17.0 lbs.

Monitored & Switched Versions Only

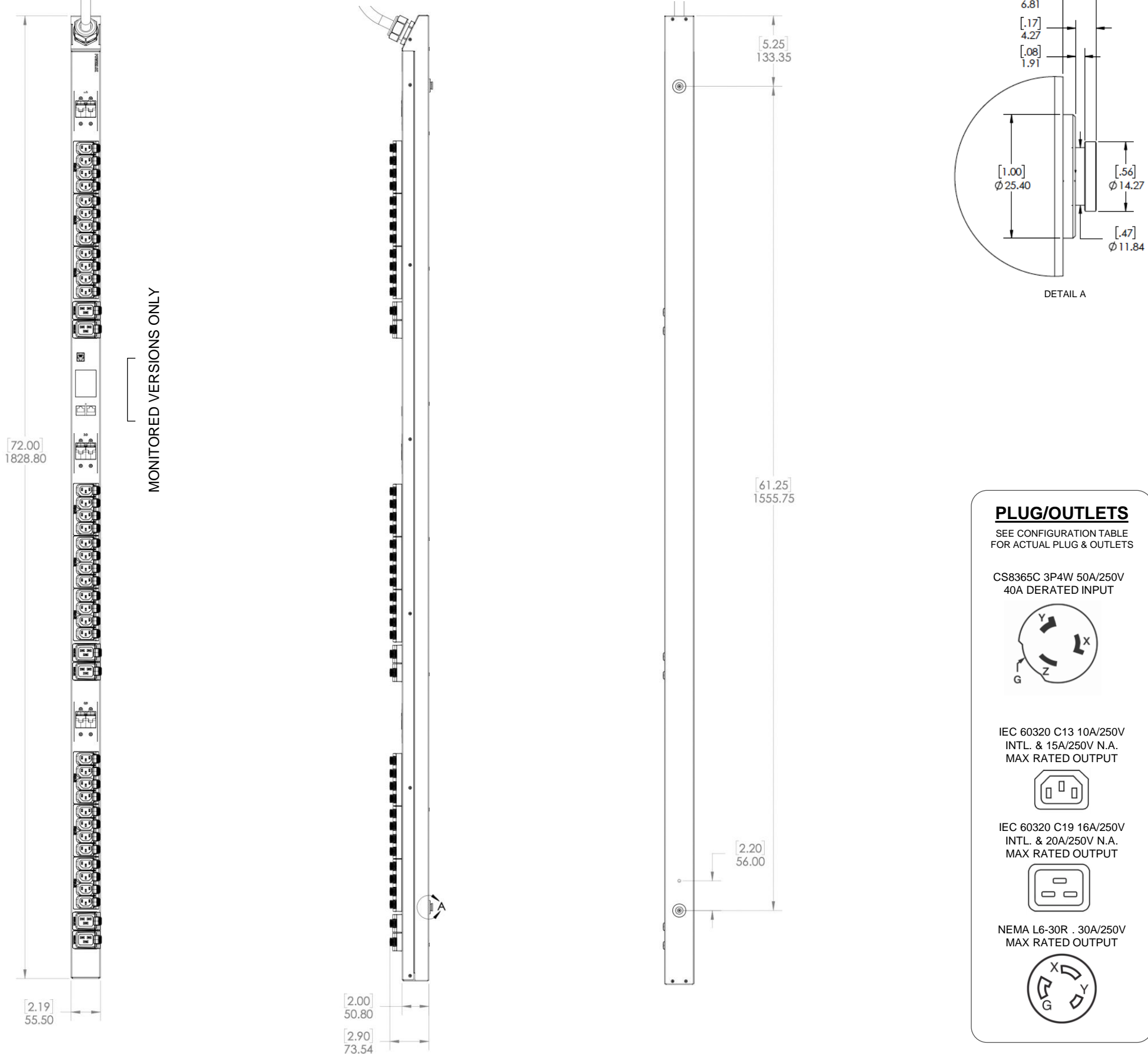|	
MONITORING TYPE:	REMOTE & TOUCHSCREEN DISPLAY, ENVIROLOK READY. SWITCHED READY
Monitoring Accuracy	Voltage: +/- 0.5% at nominal. Current: within 0.5% from 1A to 30A typical. +/1% of measurement from 500mA to 30A.
Total Unit & Group Monitoring	Aggregate (kWh, W, VA) plus Phase: A, B, C Line Currents, 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

OUTLINE DRAWING

MONITORED VERSIONS ONLY

[72.00]
1828.80

[61.25]
1555.75

[5.25]
133.35

[2.20]
56.00

[2.19]
55.50

[2.00]
50.80

[2.90]
73.54

A

[.27]
6.81

[.17]
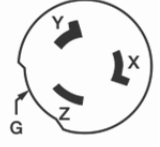4.27

[.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

Y X
G Z

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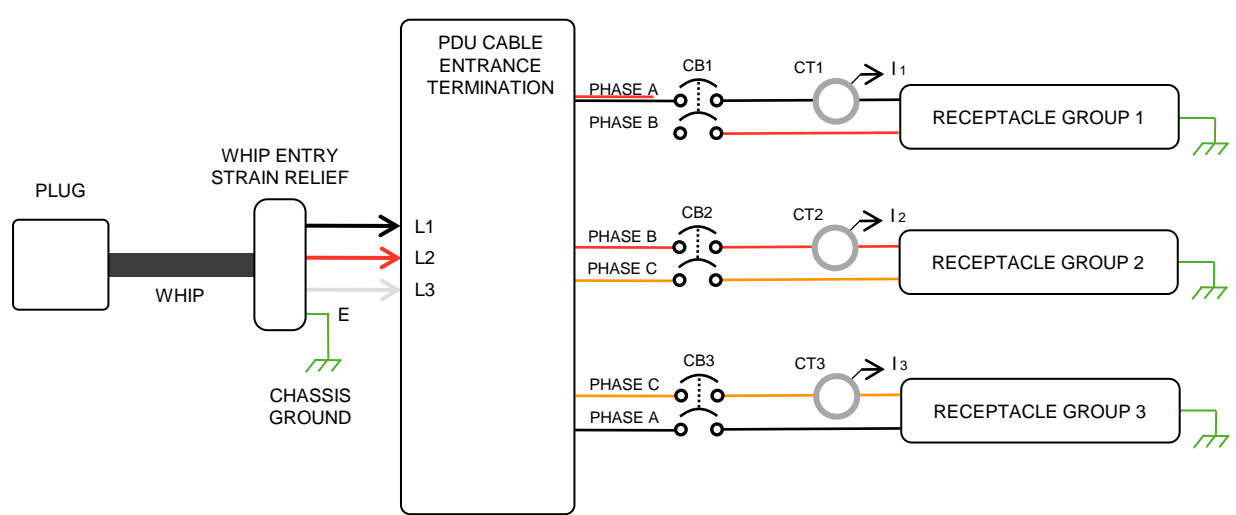INTL. & 15A/250V N.A.
MAX RATED OUTPUT

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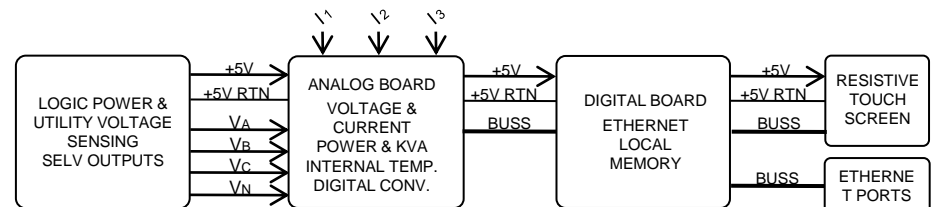MAX RATED OUTPUT

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

X Y
G

PDU WIRING DIAGRAM & RATINGS TABLE

PLUG

WHIP ENTRY
STRAIN RELIEF

WHIP

CHASSIS
GROUND

PDU CABLE
ENTRANCE
TERMINATION

L1
L2
L3
E

PHASE A
PHASE B

CB1
CT1
I_1
RECEPTACLE GROUP 1

PHASE B
PHASE C

CB2
CT2
I_2
RECEPTACLE GROUP 2

PHASE C
PHASE A

CB3
CT3
I_3
RECEPTACLE GROUP 3

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.

FOR MONITORED
VERSIONS ONLY.
CT1-3 NOT ON
BASIC MODELS.

I_1 I_2 I_3

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.

+5V
+5V RTN
BUSS

DIGITAL BOARD
ETHERNET
LOCAL
MEMORY

+5V
+5V RTN
BUSS

RESISTIVE
TOUCH
SCREEN

BUSS

ETHERNET PORTS

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:	SHEET:
SP-GL8433	**2 OF 2**