GREAT LAKES RACK PDU SPECIFICATION
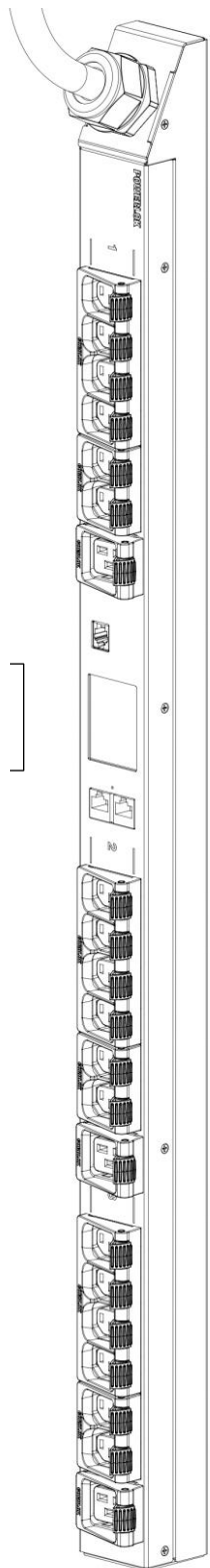
Specific Configurations

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	GL8352M-06C	GL8352M-10C	GL8352M-06R	GL8352M-10R	GL8352M-06W	GL8352M-10W	GL8352M-06B	GL8352M-10B
SWITCHED READY MODEL	GL8352S-06C	GL8352S-10C	GL8352S-06R	GL8352S-10R	GL8352S-06W	GL8352S-10W	GL8352S-06B	GL8352S-10B
DESCRIPTION	RACK PDU, 36", 20A 120/208V WYE 3PH, 18-C13 & 3-C19, L21-20P, CORDLOK							
MONITORING	REMOTE COMM & UNIT DISPLAY, ENVIROLOK READY							
SWITCHING	REMOTE COMM & UNIT DISPLAY, ENVIROLOK READY, SWITCHLOK READY							
POWER	20A 120/208V 3PH (5.7 kW)							
PLUG TYPE	L21-20P							
UNIT LENGTH	36 INCHES							
RECEPTACLES	18-C13 & 3-C19							
CORDLOK	YES							

Universal Specification

Over Current Protection	None
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)	35.98"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	11.3 lbs.
Packaged Weight (each)	13.3 lbs.

Monitored & Switched Versions Only

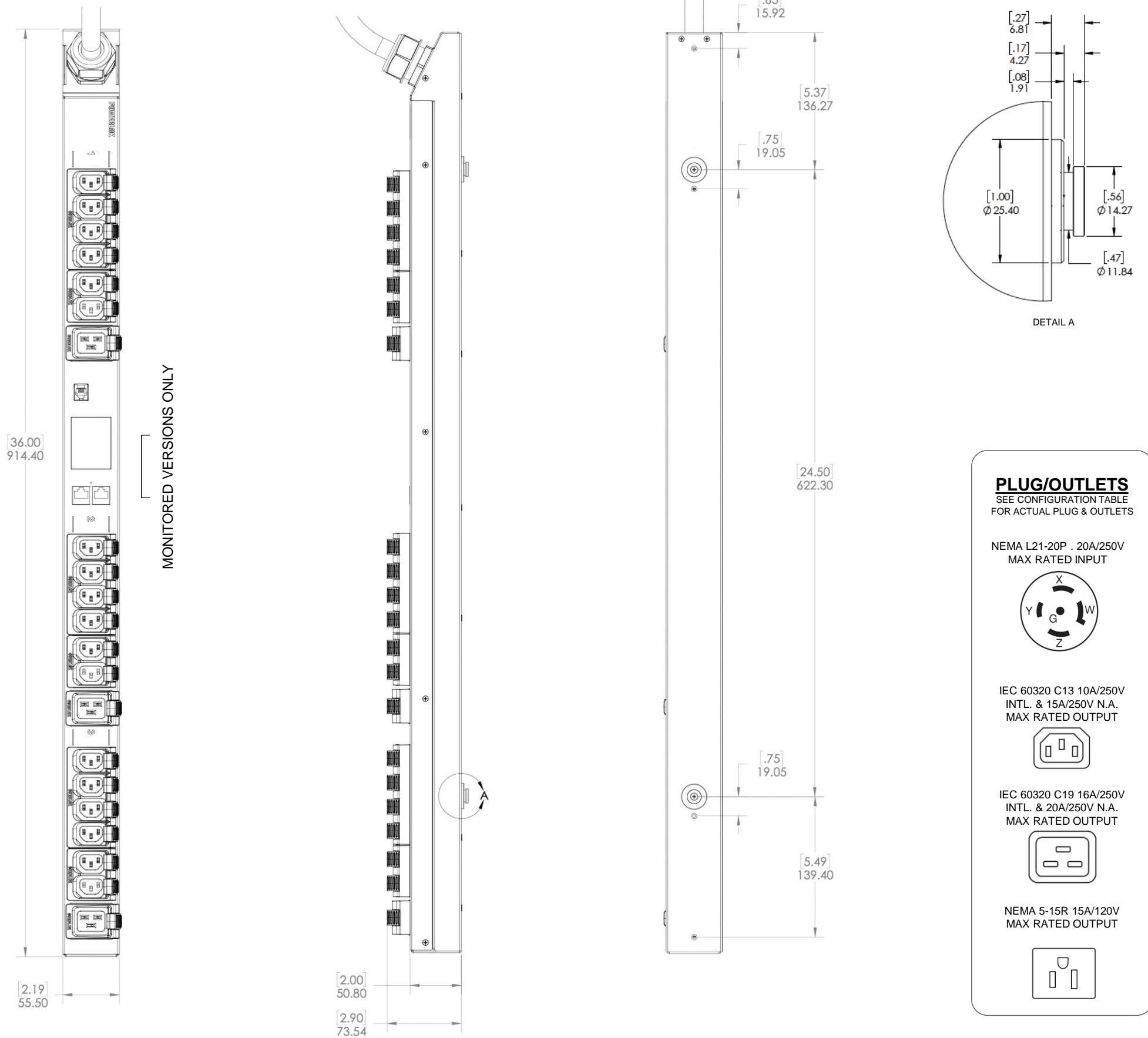|	
Monitoring Accuracy	Voltage: +/- 0.5% at nominal. Current: within 0.5% from 1A to 30A typical. +/1% of measurement from 500mA to 30A.
Total Unit & Group Monitoring	Aggregate (kWh, W, VA) plus Phase: A, B, C Line Currents, plus Group: 1, 2, 3 Monitoring (kWh, W, VA, PF, V, A)
Network Interface	Ethernet 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.

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-GL8352 · SHEET: **1 OF 2**

OUTLINE DRAWING

.63 / 15.92
5.37 / 136.27
.75 / 19.05

.27 / 6.81
.17 / 4.27
.08 / 1.91
[1.00] Ø 25.40
[.56] Ø 14.27
[.47] Ø 11.84

DETAIL A

36.00 / 914.40

MONITORED VERSIONS ONLY

24.50 / 622.30

.75 / 19.05

5.49 / 139.40

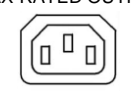2.19 / 55.50

2.00 / 50.80

2.90 / 73.54

PLUG/OUTLETS
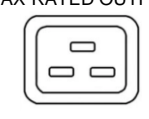SEE CONFIGURATION TABLE
FOR ACTUAL PLUG & OUTLETS

NEMA L21-20P . 20A/250V
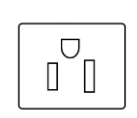MAX RATED INPUT

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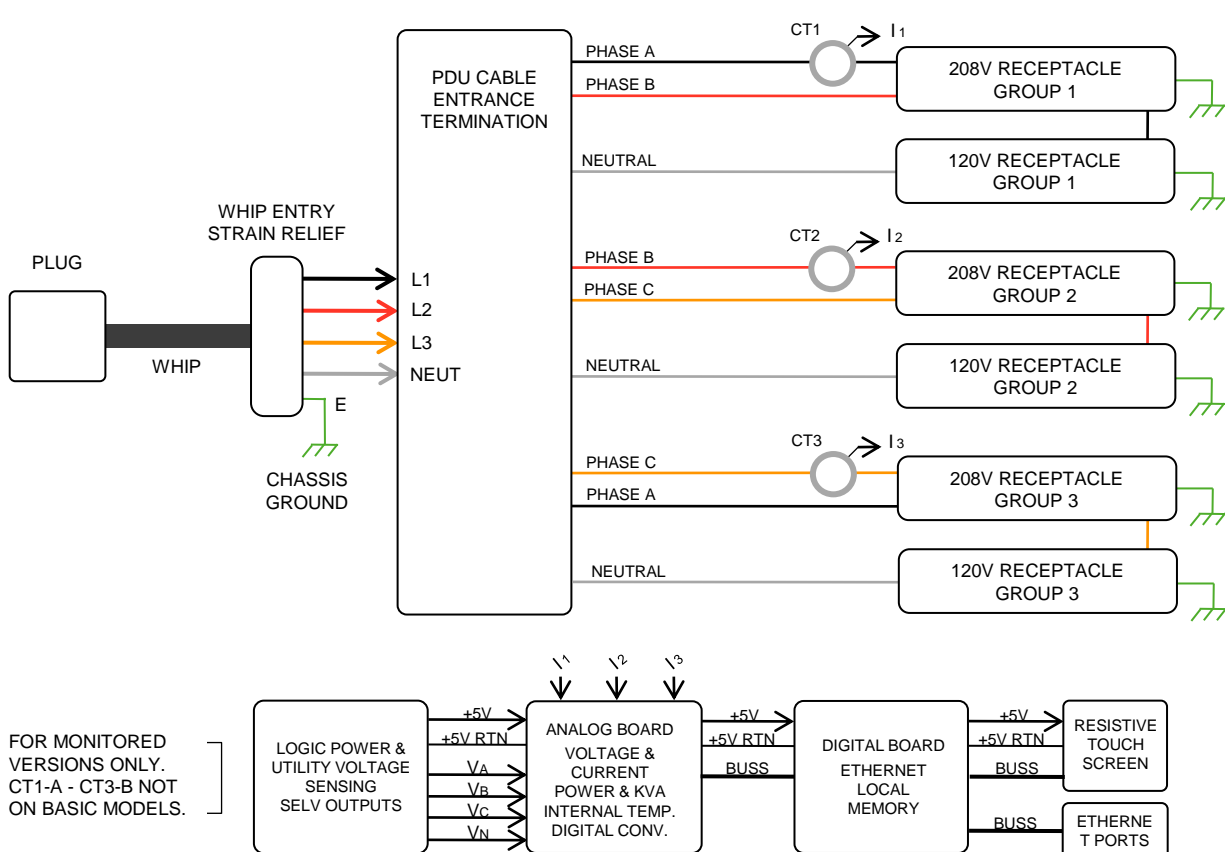INTL. & 15A/250V N.A.
MAX RATED OUTPUT

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

NEMA 5-15R 15A/120V
MAX RATED OUTPUT

PDU WIRING DIAGRAM & RATINGS TABLE

PDU CABLE ENTRANCE TERMINATION

PHASE A
PHASE B
CT1 → I_1
208V RECEPTACLE GROUP 1

NEUTRAL
120V RECEPTACLE GROUP 1

WHIP ENTRY STRAIN RELIEF

PLUG

WHIP

L1
L2
L3
NEUT
E

CHASSIS GROUND

PHASE B
PHASE C
CT2 → I_2
208V RECEPTACLE GROUP 2

NEUTRAL
120V RECEPTACLE GROUP 2

PHASE C
PHASE A
CT3 → I_3
208V RECEPTACLE GROUP 3

NEUTRAL
120V RECEPTACLE GROUP 3

INPUT POWER:	
WHIP TYPE	12GA 5-WIRE SOOW
VOLTAGE	120/208V WYE 3PH
FREQUENCY	50/60 HZ
RATED AMPS	20A
MAX CONT. AMPS	16A
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-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

I_1 I_2 I_3

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

+5V
+5V RTN
BUSS

DIGITAL BOARD ETHERNET LOCAL MEMORY

+5V
+5V RTN
BUSS

BUSS

RESISTIVE TOUCH SCREEN

ETHERNET PORTS

MADE AND ROBOTICALLY SOLDERED IN THE USA

GREAT LAKES

Great Lakes Data Racks and Cabinets

TITLE:
RACK PDU SPECIFICATION

DRAWING NUMBER:	SHEET:
SP-GL8352	2 OF 2