GREAT LAKES RACK PDU SPECIFICATION
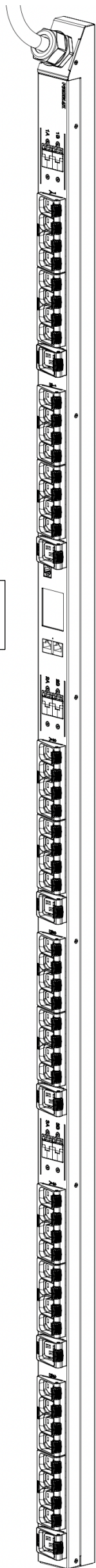
Specific Configurations

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	GL8736S-06C	GL8736S-10C	GL8736S-06R	GL8736S-10R	GL8736S-06W	GL8736S-10W	GL8736S-06B	GL8736S-10B
MONITORED MODEL	GL8736M-06C	GL8736M-10C	GL8736M-06R	GL8736M-10R	GL8736M-06W	GL8736M-10W	GL8736M-06B	GL8736M-10B
BASIC MODEL	GL8736B-06C	GL8736B-10C	GL8736B-06R	GL8736B-10R	GL8736B-06W	GL8736B-10W	GL8736B-06B	GL8736B-10B
DESCRIPTION	RACK PDU, 82", 30A 240/415V WYE 3PH, 54-C13, IEC 309 (IP44), CORDLOK							
POWER	30A 240/415V WYE 3PH (17.2 kW)							
PLUG TYPE	IEC 309 (IP44) SPLASHPROOF							
UNIT LENGTH	82 INCHES							
RECEPTACLES	54-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	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	21.8 lbs.
Packaged Weight (each)	23.8 lbs.

Monitored & Switched Versions Only

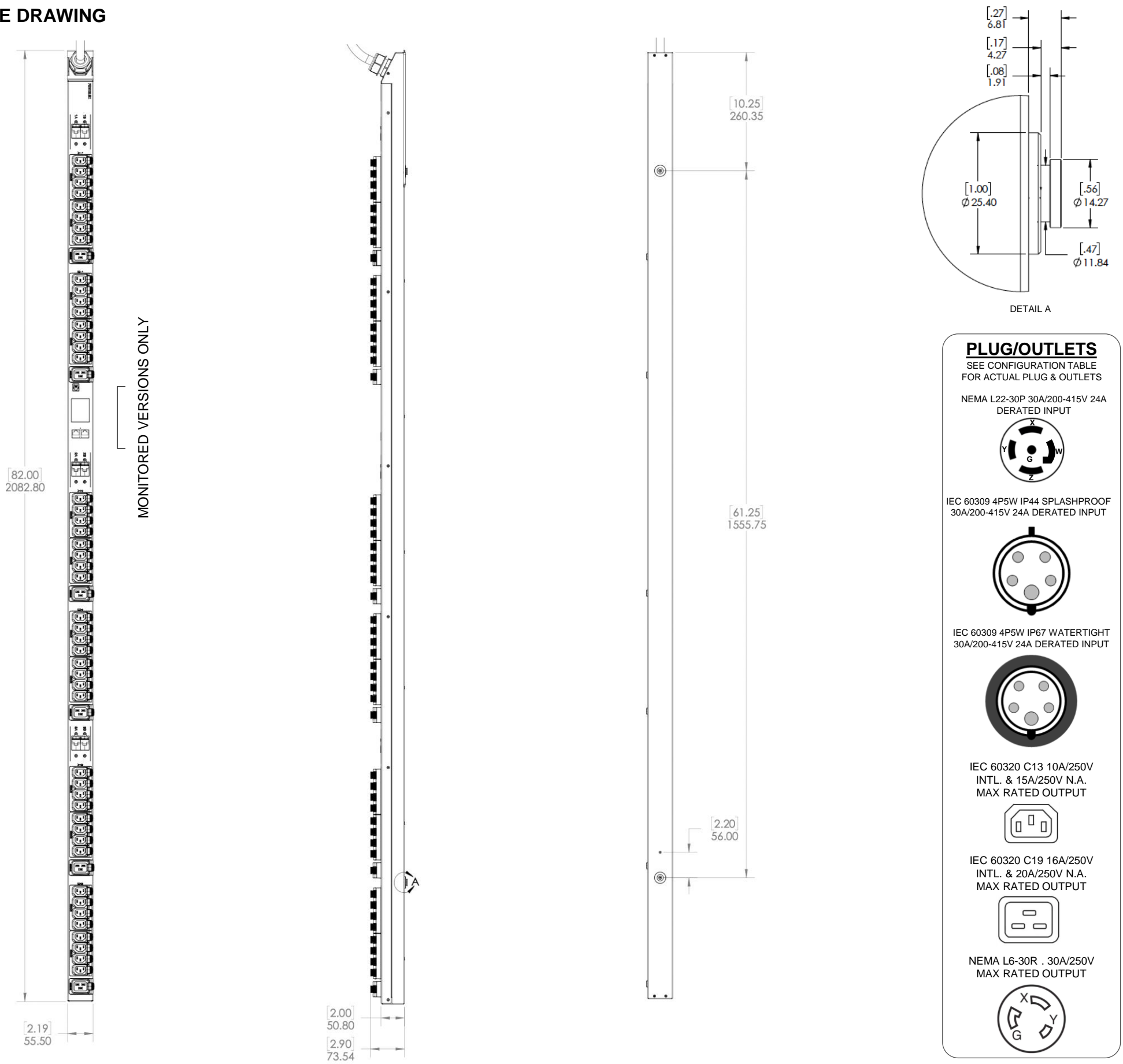|	
MONITORING TYPE:	REMOTE & TOUCHSCREEN DISPLAY, ENVIROLOK READY. SWITCHED READY
Monitoring Accuracy	Voltage: +/- 0.5% at nominal. Current: within 0.5% from 1A to 30A typical. +/1% of measurement from 500mA to 30A.
Total Unit & Group Monitoring	Aggregate (kWh, W, VA) plus Phase: A, B, C Line Currents,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

OUTLINE DRAWING

MONITORED VERSIONS ONLY

[.27] 6.81
[.17] 4.27
[.08] 1.91

10.25 260.35

[1.00] Ø 25.40
[.56] Ø 14.27
[.47] Ø 11.84

DETAIL A

82.00 2082.80

61.25 1555.75

2.20 56.00

2.19 55.50

2.00 50.80

2.90 73.54

A

PLUG/OUTLETS
SEE CONFIGURATION TABLE
FOR ACTUAL PLUG & OUTLETS

NEMA L22-30P 30A/200-415V 24A
DERATED INPUT

IEC 60309 4P5W IP44 SPLASHPROOF
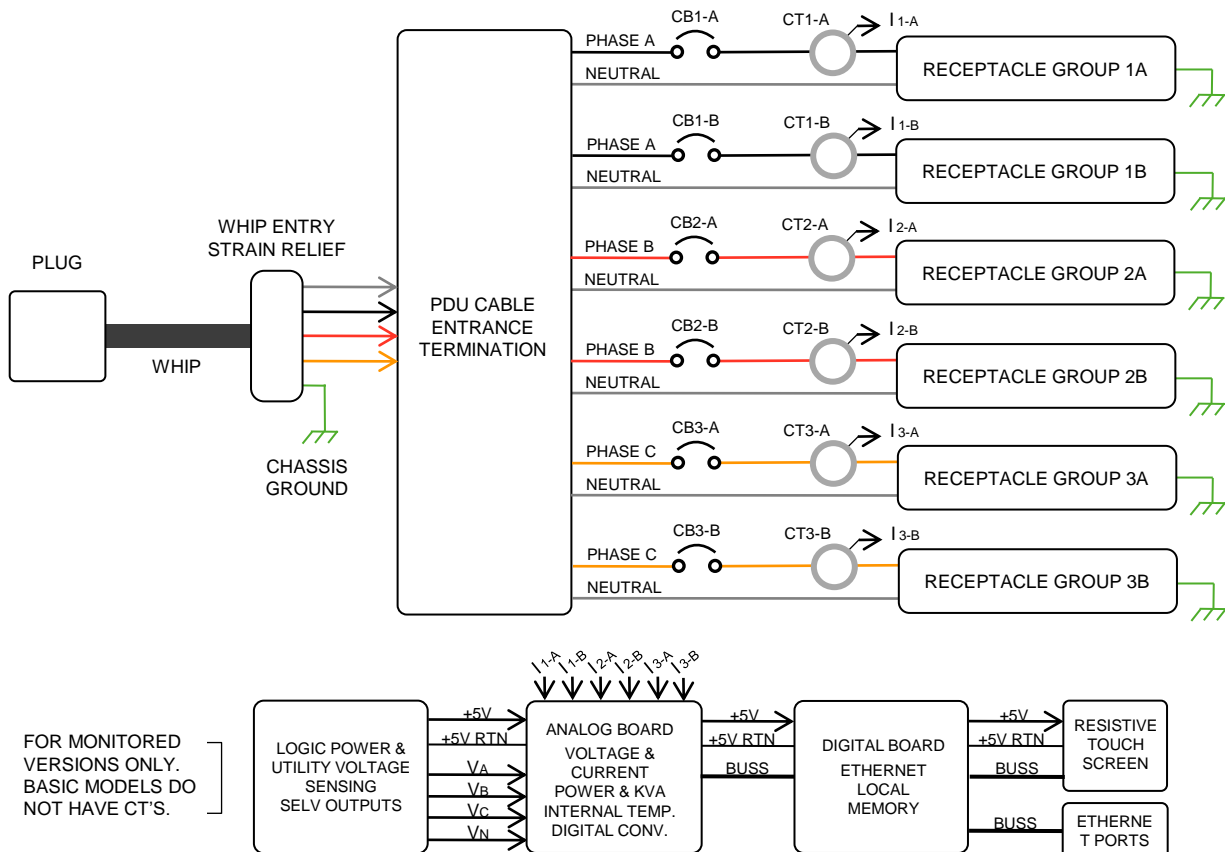30A/200-415V 24A DERATED INPUT

IEC 60309 4P5W IP67 WATERTIGHT
30A/200-415V 24A 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

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

FOR MONITORED VERSIONS ONLY. BASIC MODELS DO NOT HAVE CT'S.

LOGIC POWER & UTILITY VOLTAGE SENSING SELV OUTPUTS
ANALOG BOARD VOLTAGE & CURRENT POWER & KVA INTERNAL TEMP. DIGITAL CONV.
DIGITAL BOARD ETHERNET LOCAL MEMORY
RESISTIVE TOUCH SCREEN
ETHERNET PORTS

+5V / +5V RTN / V_A / V_B / V_C / V_N
I_{1-A} I_{1-B} I_{2-A} I_{2-B} I_{3-A} I_{3-B}
+5V / +5V RTN / BUSS
+5V / BUSS / BUSS

INPUT POWER:	
WHIP TYPE	10GA 5-WIRE SOOW
VOLTAGE	240/415V WYE 3PH
FREQUENCY	50/60 HZ
RATED AMPS	30A
MAX CONT. AMPS	24A
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: SP-GL8736
SHEET: **2 OF 2**

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