

SYSTEM SPECIFICATIONS

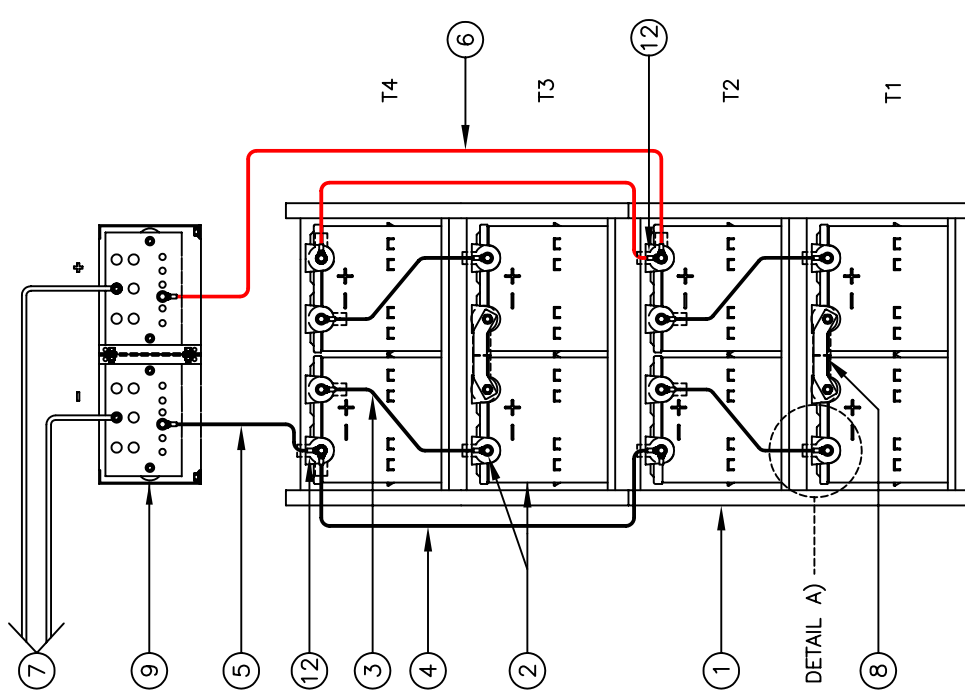
SYSTEM MODEL: EZS-48510
 SYSTEM RATING: 50 AMPS FOR 8 HOURS TO 1.75 VPC.
 RECOMMENDED SYSTEM FLOAT VOLTAGE: 54 MIN. 55.2 MAX.
 SYSTEM CUTOFF VOLTAGE: 42
 FULL LOAD CURRENT: 50 ADC
 FULL LOAD CURRENT PER SERIES CIRCUIT: 25 ADC
 OPEN CIRCUIT VOLTAGE: 49.6 - 51.6 VDC

NOTE: SYSTEM IS SIZED TO ACCOMMODATE A 250 AMP SPIKE

- ① ALL RECOMMENDED CUSTOMER'S CABLE GAUGES ARE BASED ON TABLE 310-16 OF N.E.C. USING 75°C CABLE IN 30°C AMBIENT.
- ② SEE BATTERY LABEL FOR TORQUE VALUES
- ③ USE INSULATED TOOLS FOR CABINET INSTALLATION. DO NOT ALLOW TOOLS OR CABLES TO REST ON BATTERIES.

IMPORTANT NOTE

THE CUSTOMER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THIS EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS
 WHEN HANDLING, KEEP UPRIGHT WITHIN +/- 15 DEGREES.



WIRING DIAGRAM

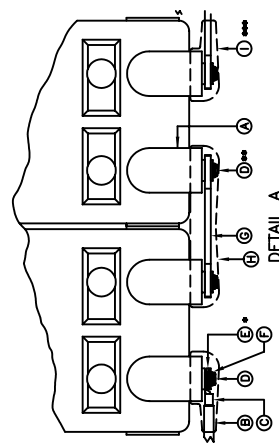
NOTE: CABLES SIZED TO RESTRICT A VOLTAGE DROP OVER 2%

NO.	DESCRIPTION	QTY.	PART NO.
12	TERMINAL BOOTS (956D9V14)	2	AC-0011
11	EZ STACKING HARDWARE KIT	2	HK-0003
10	EZ ASSEMBLY HARDWARE KIT	4	HK-0001
9	EZ BUSBAR ASSEMBLY	1	EZ-9017
8	BUS BAR (THICK)	2	CC-0058
7	CABLE 250 MCM MINIMUM	2	SUPPLIED BY CUSTOMER
6	CABLE 1/0 GA. 35" LG.	1	1/0-35BE
5	CABLE 1/0 GA. 24" LG.	2	1/0-24B
4	CABLE 1/0 GA. 12" LG.	2	1/0-12BE
3	CABLE 1/0 GA. 15" LG.	4	1/0-15B
2	BATTERY/BOOTS/HARDWARE	8	PSG-12255
1	RACK	2	EZS1

REV.	DATE	BY	REVISIONS
10/23/08			

POWER
 POWER BATTERY COMPANY, INC.
 BATTERY SYSTEM LAYOUT FOR
 (2) EZ1 RACKS (48 V.) WITH
 (8) PSG-12255 BATTERIES

APPROVED: _____
 DRAWING NO.: _____



ITEM	DESCRIPTION
H	TERMINAL COVER
G	BUS BAR COVER
F	SPRING LOCK WASHER
E	WASHER
D	CABLE LUG
B	CABLE
A	BATTERY TERMINAL

* USE (2) FLAT WASHER WHEN CABLES ARE BEING USED
 **USE (1) FLAT WASHER WHEN A BUS BAR IS BEING USED
 *** BUS BAR BOOTS SHALL BE USED IN EACH CONNECTION
 SEE BATTERY LABEL FOR TORQUE VALUES

NOTE:
 * ALTERNATE METHOD MAY BE USED TO CONNECT TWO SYSTEMS ACCORDING TO CUSTOMERS SPECIFICATIONS.

PARALLEL CONNECTOR:
 WIRE SIZE WILL BE SPECIFIED AS PER GAUGE (MINIMUM) TO BE USED. LENGTHS OF CABLE TO JUNCTION BOX SHOULD BE MADE SO THAT THE TOTAL LENGTH OF CABLES PER STRING IS EQUAL. THIS WILL MINIMIZE VARIATIONS OF RESISTANCE IN EACH STRING. HENCE EQUALLY DISTRIBUTE LOAD CURRENTS.

IMPORTANT NOTE

ALL CONNECTIONS TO BE RETORQUED ANNUALLY.
 ALL CONNECTIONS MUST BE CHECKED FOR PROPER TORQUE PRIOR TO START UP OR ENERGIZING OF SYSTEM.

