


REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
PLC-IQ	A	INITIAL RELEASE	29 JUL 2007	TCG
105623	B	ADD COMM CARD POWER CONNECTIONS	22 SEP 2008	TCG
106061	C	NOT FOR 120V, UPDATE FILTS, ALLOW 6AWG 35A	19 DEC 2011	TCG
106179	D	CHANGE 40A OUTPUT BREAKER TO 35A	20 AUG 2012	TCG
106471	E	REDRAWN AND UPDATED	19 FEB 2014	TCG
108061	F	DIGITAL CONTROL BOARD, PROTOCOL BOARD	08 SEP 2020	TCG
108082	G	UPDATE J4 SIGNAL NAMES	07 JUL 2021	TCG

TABLE 2

OUTPUT	C3-C6	C7	L1	L2	R3	R4	CB2	PWR WIRES	GND WIRE
24V 16A	1X 68000uF 50V	68000uF 50V	602230	602275	1K 1W	50 OHM 50 W	20A 60VDC	10 AWG	10 AWG
24V 25A	1X 68000uF 50V	68000uF 50V	602234	602278	1K 1W	50 OHM 50 W	35A 60VDC	10 AWG	10 AWG
24V 35A	2X 68000uF 50V	68000uF 50V	602239	602281	1K 1W	50 OHM 50 W	45A 60VDC	8 OR 6 AWG	10 AWG
24V 50A	2X 68000uF 50V	68000uF 50V	602243	602284	1K 1W	50 OHM 50 W	70A 60VDC	6 AWG	6 AWG
24V 75A	2X 68000uF 50V	68000uF 50V	602247	602287	1K 1W	50 OHM 50 W	100A 60VDC	4 AWG	6 AWG
24V 100A	3X 68000uF 50V	68000uF 50V	602250	602289	1K 1W	50 OHM 50 W	125A 60VDC	2 AWG	6 AWG
24V 150A	4X 68000uF 50V	68000uF 50V	602253	602281	1K 1W	50 OHM 50 W	200A 125VDC	2X 4 AWG	6 AWG
48V 12A	1X 47000uF 63V	47000uF 63V	602226	602212	3.3K 2W	150 OHM 50 W	15A 60VDC	10 AWG	10 AWG
48V 16A	1X 47000uF 63V	47000uF 63V	602231	602212	3.3K 2W	150 OHM 50 W	20A 60VDC	10 AWG	10 AWG
48V 25A	1X 47000uF 63V	47000uF 63V	602235	602213	3.3K 2W	150 OHM 50 W	35A 60VDC	10 AWG	10 AWG
48V 35A	2X 47000uF 63V	47000uF 63V	602240	602214	3.3K 2W	150 OHM 50 W	45A 60VDC	8 OR 6 AWG	10 AWG
48V 50A	2X 47000uF 63V	47000uF 63V	602244	602215	3.3K 2W	150 OHM 50 W	70A 60VDC	6 AWG	6 AWG
48V 75A	3X 47000uF 63V	47000uF 63V	602248	602216	3.3K 2W	150 OHM 50 W	100A 60VDC	4 AWG	6 AWG
48V 100A	4X 47000uF 63V	47000uF 63V	602251	602217	3.3K 2W	150 OHM 50 W	125A 60VDC	2 AWG	6 AWG

NOTES

- OUTPUT CONFIGURATION FOR 24V AND 48V MODELS WITH TWO STAGE OUTPUT FILTER, WITHOUT OUTPUT BLOCKING DIODES
- C3-C7, CB2, L1, L2, R3, AND R4 VARY WITH OUTPUT RATING. SEE TABLE 2.
- CONTROL AND SENSE HARNESSSES ARE 22 AWG MINIMUM. SEE TABLE 2 FOR DOOR GROUND AND OUTPUT POWER WIRES.
- 24V 6A, 24V 12A, AND 48V 6A MODELS MEET LOW RIPPLE REQUIREMENTS USING A SINGLE STAGE FILTER. THOSE MODELS DO NOT USE TWO STAGE FILTERS.

PROPRIETARY INFORMATION		APPROVALS		 SENS STORED ENERGY SYSTEMS LONGMONT, CO				
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		CHECKER	SIZE	DWG NUMBER		REVISION		
		ENGINEER	C	WD/00556		G		
		T. GROUT	07 JUL 2021	SHEET	2	OF	3	
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