



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	DC PWR TO D1 ANODE, UPDATE J4 SIGNAL NAMES	07 JUL 2021	TCG

TABLE 2

OUTPUT	C3-C6	L1	R3	R4	CB2	D1, D2	PWR WIRES	GND WIRE
24V 6A	1X 68000uF 50V	602221	1K 1W	50 OHM 50 W	10A 60VDC	300280	10 AWG	10 AWG
24V 12A	1X 68000uF 50V	602226	1K 1W	50 OHM 50 W	15A 60VDC	300280	10 AWG	10 AWG
24V 16A	1X 68000uF 50V	602230	1K 1W	50 OHM 50 W	20A 60VDC	300280	10 AWG	10 AWG
24V 25A	1X 68000uF 50V	602234	1K 1W	50 OHM 50 W	35A 60VDC	300296	10 AWG	10 AWG
24V 35A	2X 68000uF 50V	602239	1K 1W	50 OHM 50 W	45A 60VDC	300296	8 OR 6 AWG	10 AWG
24V 50A	2X 68000uF 50V	602243	1K 1W	50 OHM 50 W	70A 60VDC	300285	6 AWG	6 AWG
24V 75A	2X 68000uF 50V	602247	1K 1W	50 OHM 50 W	100A 60VDC	300285	4 AWG	6 AWG
24V 100A	3X 68000uF 50V	602250	1K 1W	50 OHM 50 W	125A 60VDC	300286	2 AWG	6 AWG
24V 150A	4X 68000uF 50V	602253	1K 1W	50 OHM 50 W	200A 125VDC	300286	2X 4 AWG	6 AWG
48V 6A	1X 47000uF 63V	602222	3.3K 2W	150 OHM 50 W	10A 60VDC	300280	10 AWG	10 AWG
		602211 *						
48V 12A	1X 47000uF 63V	602226	3.3K 2W	150 OHM 50 W	15A 60VDC	300280	10 AWG	10 AWG
48V 16A	1X 47000uF 63V	602231	3.3K 2W	150 OHM 50 W	20A 60VDC	300280	10 AWG	10 AWG
48V 25A	1X 47000uF 63V	602235	3.3K 2W	150 OHM 50 W	35A 60VDC	300296	10 AWG	10 AWG
48V 35A	2X 47000uF 63V	602240	3.3K 2W	150 OHM 50 W	45A 60VDC	300296	8 OR 6 AWG	10 AWG
48V 50A	2X 47000uF 63V	602244	3.3K 2W	150 OHM 50 W	70A 60VDC	300285	6 AWG	6 AWG
48V 75A	3X 47000uF 63V	602248	3.3K 2W	150 OHM 50 W	100A 60VDC	300285	4 AWG	6 AWG
48V 100A	4X 47000uF 63V	602251	3.3K 2W	150 OHM 50 W	125A 60VDC	300286	2 AWG	6 AWG

*30MV RIPPLE OPTION

NOTES

- OUTPUT CONFIGURATION FOR 24V AND 48V MODELS WITH ONE STAGE OUTPUT FILTER AND OUTPUT BLOCKING DIODES
- C3-C6, CB2, D1, D2, L1, R3, AND R4 VARY WITH OUTPUT RATING. SEE TABLE 2.
- CONTROL AND SENSE HARNESSES ARE 22 AWG MINIMUM. SEE TABLE 2 FOR DOOR GROUND AND OUTPUT POWER WIRES.
- 24V 6A AND 24V 12A MODELS AND 48V 6A WITH 30MV OPTION MEET LOW RIPPLE REQUIREMENTS USING A SINGLE STAGE FILTER. THESE MODELS DO NOT USE TWO STAGE FILTERS.

PROPRIETARY INFORMATION		APPROVALS		STORED ENERGY SYSTEMS LONGMONT, CO	
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		CHECKER			
		ENGINEER		SIZE C	DWG NUMBER WD/00555
		T. GROUT		07 JUL 2021	REVISION G
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