


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	UPDATE FILTER CAPS, 6AWG ALLOWED FOR 35A	19 DEC 2011	TCG
106471	D	REDRAWN AND UPDATED	19 FEB 2014	TCG
108061	E	DIGITAL CONTROL BOARD, PROTOCOL BOARD	02 SEP 2020	TCG
108082	F	DC PWR TO D1 ANODE, UPDATE J4 SIGNAL NAMES	07 JUL 2021	TCG

TABLE 2

OUTPUT	C3-C6	C7	L1	L2	CB2	D1,D2	PWR WIRES	GND WIRE
12V 35A	2X 68000uF 50V	68000uF 50V	602238	602281	45A 60VDC	300296	8 OR 6 AWG	10 AWG
12V 50A	2X 68000uF 50V	68000uF 50V	602242	602284	70A 60VDC	300285	6 AWG	6 AWG
12V 75A	2X 68000uF 50V	68000uF 50V	602246	602287	100A 60VDC	300285	4 AWG	6 AWG
12V 100A	3X 68000uF 50V	68000uF 50V	602249	602289	125A 60VDC	300286	2 AWG	6 AWG
12V 150A	4X 68000uF 50V	68000uF 50V	602252	602291	200A 125VDC	300286	2X 4 AWG	6 AWG

NOTES

- OUTPUT CONFIGURATION FOR 24V AND 48V MODELS WITH TWO STAGE OUTPUT FILTER AND OUTPUT BLOCKING DIODES
- C3-C7, CB2, D1, D2, L1, AND L2 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.
- TWO STAGE FILTERS ARE NOT USED FOR 12V 12A, 12V 16A, AND 12V 25A MODELS. THESE MODELS MEET LOW RIPPLE REQUIREMENTS USING A SINGLE STAGE FILTER.

PROPRIETARY INFORMATION		APPROVALS		 SENS STORED ENERGY SYSTEMS LONGMONT, CO	
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		CHECKER	SIZE	DWG NUMBER	REVISION
		ENGINEER	C	WD/00553	F
		T. GROUT	07 JUL 2021	SHEET	2
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