



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
106051	C	NOT FOR 120V, UPDATE FILTS, ALLOW 6AWG 35A	19 DEC 2011	TCG
106471	D	REDRAWN AND UPDATED	19 FEB 2014	TCG
108061	E	DIGITAL CONTROL BOARD, PROTOCOL BOARD	08 SEP 2020	TCG
108082	F	DC PWR TO D1 ANODE, UPDATE J4 SIGNAL NAMES	07 JUL 2021	TCG

TABLE 2

OUTPUT	C3-C6	L1	CB2	D1, D2	PWR WIRES	GND WIRE
12V 12A	2X 68000uF 50V	602225	15A 60VDC	300296	10 AWG	10 AWG
12V 16A	2X 68000uF 50V	602229	20A 60VDC	300296	10 AWG	10 AWG
12V 25A	2X 68000uF 50V	602234	35A 60VDC	300296	10 AWG	10 AWG
12V 35A	2X 68000uF 50V	602238	45A 60VDC	300296	8 OR 6 AWG	10 AWG
12V 50A	2X 68000uF 50V	602242	70A 60VDC	300285	6 AWG	6 AWG
12V 75A	2X 68000uF 50V	602246	100A 60VDC	300285	4 AWG	6 AWG
12V 100A	3X 68000uF 50V	602249	125A 60VDC	300286	2 AWG	6 AWG
12V 150A	4X 68000uF 50V	602252	200A 125VDC	300286	2X 4 AWG	6 AWG

NOTES

- OUTPUT CONFIGURATION FOR 12V MODELS WITH ONE STAGE OUTPUT FILTER AND OUTPUT BLOCKING DIODES
- C3-C6, CB2, D1, D2, AND L1 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.
- 12V 12A, 12V 16A, AND 12V 25A MODELS MEET LOW RIPPLE REQUIREMENTS USING A SINGLE STAGE FILTER. TWO STAGE FILTERS ARE NOT USED FOR THESE MODELS.

PROPRIETARY INFORMATION		APPROVALS		STORED ENERGY SYSTEMS LONGMONT, CO	
THIS DRAWING AND DATA/EMBODY PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF STORED ENERGY SYSTEMS LLC (SENS) AND WHICH SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED TO OTHERS.		DESIGNER		WD, IQ, OUTPUT, 12V, 1 STG, DIO RECTIFIER, FILTER AND POWER OUTPUT	
		CHECKER		SIZE	REVISION
		ENGINEER		C	WD/00551
		T. GROUT		07 JUL 2021	F
© 2021 STORED ENERGY SYSTEMS, LLC		FILE: WD_00551.SCHDOC		SHEET	2 OF 3