


REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROV.
		SEE HISTORY FOR PREVIOUS REVS		
106051	C	T1 PIN NUMBERS, WIRE SIZE	19 DEC 2011	TCG
106471	D	REDRAWN AND UPDATED	18 FEB 2014	TCG
106793	E	CORRECT NOTE 2	21 APR 2015	TCG
??	F	DIGITAL CONTROL & PROTOCOL BOARDS	08 SEP 2020	TCG

TABLE 1 INPUT COMPONENT SELECTION							
OUTPUT RATING	VR1	SECONDARY AWG	50/60HZ (CODE V)		60HZ (CODE 8)		
			T1	F1	T1	F1	
12V 6A	130V	10 AWG	600Q00V	3/4A 600V	600Q008	1/2A 600V	
12V 12A	130V	10 AWG	600Q01V	1-1/4A 600V	600Q018	1A 600V	
12V 16A	130V	10 AWG	600Q02V	1-1/2A 600V	600Q028	1-1/4A 600V	
12V 25A	130V	10 AWG	600Q03V	2-1/2A 600V	600Q038	2A 600V	
12V 35A	130V	6 OR 8 AWG	600Q04V	4A 600V	600Q048	3-1/5A 600V	
12V 50A	130V	6 AWG	600Q05V	5A 600V	600Q058	4A 600V	
12V 75A	130V	4 AWG	600Q06V	7-1/2A 600V	600Q068	6-1/4A 600V	
12V 100A	130V	2 AWG	600Q07V	10A 600V	600Q078	10A 600V	
12V 150A	130V	2X 4 AWG	N/A	N/A	600Q088	12A 600V	
24V 6A	130V	10 AWG	600Q10V	1-1/4A 600V	600Q108	1A 600V	
24V 12A	130V	10 AWG	600Q11V	2-1/2A 600V	600Q118	2A 600V	
24V 16A	130V	10 AWG	600Q12V	3-1/5A 600V	600Q128	2-1/2A 600V	
24V 25A	130V	10 AWG	600Q13V	5A 600V	600Q138	4A 600V	
24V 35A	130V	6 OR 8 AWG	600Q14V	6-1/4A 600V	600Q148	5A 600V	
24V 50A	130V	6 AWG	600Q15V	10A 600V	600Q158	7-1/2A 600V	
24V 75A	130V	4 AWG	N/A	N/A	600Q168	12A 600V	
48V 6A	130V	10 AWG	600Q20V	2A 600V	600Q208	2A 600V	
48V 12A	130V	10 AWG	600Q21V	4A 600V	600Q218	4A 600V	
48V 16A	130V	10 AWG	600Q22V	5A 600V	600Q228	5A 600V	
48V 25A	130V	10 AWG	600Q23V	10A 600V	600Q238	7-1/2A 600V	
48V 35A	130V	6 OR 8 AWG	600Q24V	12A 600V	600Q248	10A 600V	
120V 6A	250V	10 AWG	600Q30V	5A 600V	600Q308	4A 600V	
120V 12A	250V	10 AWG	600Q31V	10A 600V	600Q318	7-1/2A 600V	
120V 16A	250V	10 AWG	600Q32V	12A 600V	600Q328	10A 600V	
240V 6A	480V	10 AWG	600Q40V	10A 600V	600Q408	7-1/2A 600V	

NOTES

- THIS CONFIGURATION IS USED FOR SINGLE INPUT MODELS RATED 400-415V OR 480V (CODES V AND 8) WITH UP TO 10A INPUT CURRENT, AND WITHOUT INRUSH LIMITER.
- F1, T1, AND VR1 VARY WITH INPUT RATING. SEE TABLE 1 FOR DETAILS.
- F1 RATING SHALL BE NOT LESS THAN 125% AND NOT MORE THAN 167% OF NORMAL INPUT CURRENT. THIS ENSURES FUSE WILL OPEN DURING TRANSFORMER OVERLOAD TEST.
- PRIMARY WIRE SIZE: 10 AWG
- MODELS WITHOUT INRUSH LIMITER ARE LIMITED TO STANDARD 18KAIC BREAKER INTERRUPT RATING.
- MODELS WITHOUT INRUSH LIMITER DO NOT COMPLY WITH EN61000-3-3.
- COMPONENT LEADS THAT ARE NOT PART OF A WIRING HARNESS DO NOT HAVE WIRE NUMBERS.

<div>PROPRIETARY INFORMATION</div> <div>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.</div>	APPROVALS		<div> SENS</div> <div>STORED ENERGY SYSTEMS LONGMONT, CO</div>	
	DESIGNER		WD,IQ,INP,277-480V,10A	
	CHECKER		PRIMARY WIRING AND ISOLATION TRANSFORMER	
	ENGINEER	SIZE B	DWG NUMBER WD\00542	REVISION E
	T. GROAT	08 SEP 2020		SHEET 1 OF 1
FILE: WD_00542.SCHDOC				

© 2020 STORED ENERGY SYSTEMS, LLC