Product Selection Guide

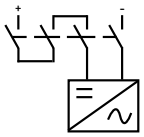
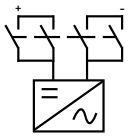
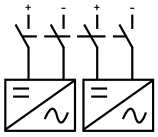
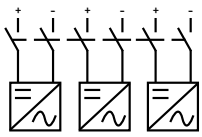
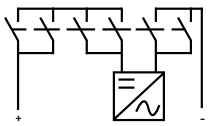
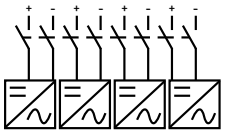
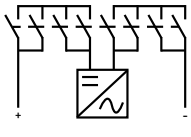
UL SI Series TRUE DC Solar Isolators

IMO

Technical Datasheet

Technical Data

Data according to UL508i (UL) File E362605, CCN: NMSJ and UL60947-1 & UL60947-4-1 c(UL)us File E146487, CCN: NRNT, NRNT7

Number of Poles	Max No. of strings	Suffix		Type	SI16	SI25	SI32	SI38	SI40	SI55	SI65
2 Poles - Single String 	1	-2	350V	A	16	25	32	45	48	55	65
			500V	A	16	25	32	45	48	55	65
			600V	A	16	25	32	36	40	55	65
			700V	A					32	46	50
			800V	A					26	37	40
			900V	A					20	28	32
			1000V	A					16	20	25
4 Poles - Higher Voltage Rating 	1	-4S, 4T, 4B	350V	A	16	25	32	45	48	55	65
			500V	A	16	25	32	45	48	55	65
			600V	A	16	25	32	36	40	55	65
			700V	A					32	46	50
			800V	A					26	37	40
			900V	A					20	28	32
			1000V	A					16	20	25
4 Poles - Higher Current Rating 	1	-2H	350V	A	29	45	58	58	72	85	85
			500V	A	29	41	43	45	53	66	73
			600V	A	21	30	33	36	42	55	65
			700V	A					35	47	50
			800V	A					30	40	40
			900V	A					26	32	32
			1000V	A					22	25	25
4 Poles - Two Strings 	2	-4	350V	A	16	25	32	45	48	55	65
			500V	A	16	25	32	45	48	55	65
			600V	A	16	25	32	36	40	55	65
			700V	A					32	46	50
			800V	A					26	37	40
			900V	A					20	28	32
			1000V	A					16	20	25
6 Poles - Three Strings 	3	-6	350V	A	16	25	32	45	48	55	65
			500V	A	16	25	32	45	48	55	65
			600V	A	16	25	32	36	40	55	65
			700V	A					32	46	50
			800V	A					26	37	40
			900V	A					20	28	32
			1000V	A					16	20	25
6 Poles - Higher Current Rating 	1	-3H	350V	A	29	45	58	58	72	85	85
			500V	A	29	41	50	50	56	80	85
			600V	A	21	38	45	45	52	65	72
			700V	A					46	58	66
			800V	A					40	51	60
			900V	A					36	45	54
			1000V	A					33	42	48
8 Poles - Four Strings 	4	-8	350V	A	16	25	32	45	48	55	65
			500V	A	16	25	32	45	48	55	65
			600V	A	16	25	32	36	40	55	65
			700V	A					32	46	50
			800V	A					26	37	40
			900V	A					20	28	32
			1000V	A					16	20	25
8 Poles - Higher Current Rating 	1	-4H	350V	A	29	45	58	58	80	85	85
			500V	A	29	45	58	58	71	85	85
			600V	A	29	45	50	50	65	85	85
			700V	A					58	76	85
			800V	A					51	71	76
			900V	A					45	67	73
			1000V	A					42	64	70

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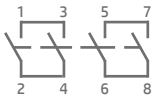
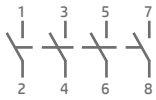
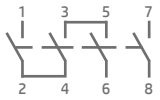
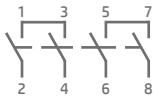
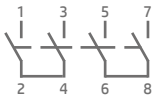
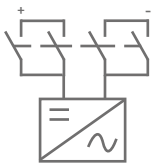
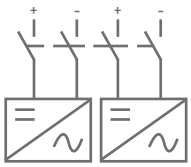
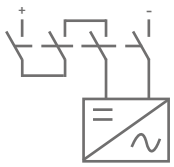
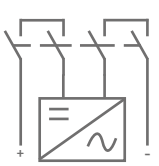
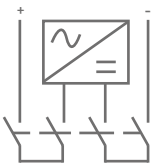
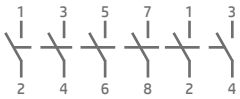
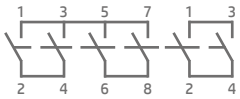
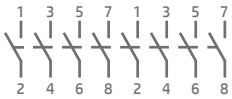
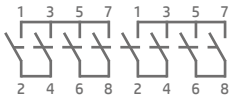
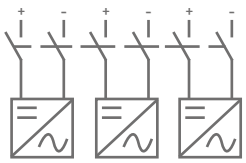
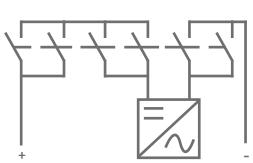
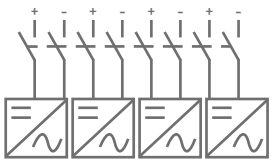
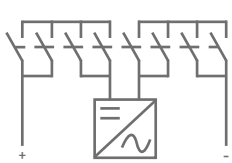
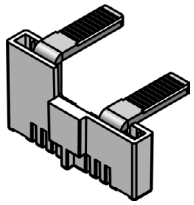
Switching Configurations

Type	2-pole	2-pole 4 parallel poles	4-pole	4 poles in series Input on top Output bottom	4 poles in series Input and Output bottom	4 poles in series Input and Output on top
SI16	2	2H	4	4S	4T	4B
SI25	2	2H	4	4S	4T	4B
SI32	2	2H	4	4S	4T	4B
SI38	2	2H	4	4S	4T	4B
SI40	2	2H	4	4S	4T	4B
SI55	2	2H	4	4S	4T	4B
SI65	2	2H	4	4S	4T	4B
Contact Wiring Diagram						
Switching Example						

Type	6-pole	2-pole 6 parallel poles	8-pole	2-pole 8 parallel poles
SI16	6	3H	8	4H
SI25	6	3H	8	4H
SI32	6	3H	8	4H
SI38	6	3H	8	4H
SI40	6	3H	8	4H
SI55	6	3H	8	4H
SI65	6	3H	8	4H
Contacts Wiring Diagram				
Switching example				

Insulated Jumper for series and parallel switching of contacts

Type	SI16	SI25	SI32	SI38	SI40	SI55	SI65
4T / 4B / 4S	2x **SIV-B1-1N**			2x **SIV-B1-2N**	2x **SIV-B2-2N**		
2H	4x **SIV-B1-1N**				4x **SIV-B2-1N**		
4H	8x **SIV-B1-1N**, 2x **SIV-B1-2N**				8x **SIV-B2-1N**, 2x **SIV-B2-2N**		



SIV-B1-1N

WARNING: *Verify that all connections (including bridging link connections) are suitable for the rated current, prepared to ensure only conductive parts are clamped and tightened to the manufacturer's required torque before energisation.*

If you would like to confirm your selection before processing your order, please contact us on the details below;

Tel: 404 476 8810
Email: sales-na@imopc.com