Product Selection Guide

SI Series TRUE DC Solar Isolators

How our SI Series TRUE DC Solar Isolator part numbers are configured...

SI **25** - **PEL64R** - **2**

Switch Rating	
16 Amp	16
25 Amp	25
32 Amp	32
38 Amp	38
40 Amp	40
55 Amp	55
65 Amp	65

Number of Poles	
2	2-Pole Single String
4S	4-Pole Higher Current Rating
2H	4-Pole Higher Current Rating
4	4-Pole Two Strings
6	6-Pole Three Strings
3H	6-Pole Higher Current Rating
8	8-Pole Four Strings
4H	8-Pole Higher Current Rating

DBL
Modular Switch, Lockable Lever Handle

IP65
NEMA 4

PEL64R
Enclosed Version, Lockable Rotary Handle

IP67
NEMA 4X

Contact IMO for String Box Enclsoure options

All Relevant International Approvals

Meet the range

Technical Data

PLEASE NOTE:
The feasibility of a code number does not guarantee effective availability of a product. Please refer to the table overleaf for available options.

How to select the correct isolator for your needs...

When choosing the appropriate SI Series TRUE DC solar isolator the steps below along with the table overleaf will help you to select the right version for your installation.

Step 1.
Determine your maximum rated voltage (V_{max}). We include voltage ratings from 500V to 1500V for all pole configurations on the table overleaf.

Step 2.
Determine your maximum rated current (I_{max}). We include current ratings from 16A to 85A for all pole configurations on the table overleaf. Ensure the rating selected meets or exceeds your I_{max}.

Step 3.
Determine the number of strings your pv installation has.

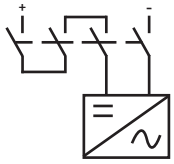
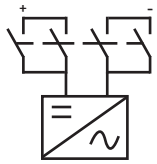
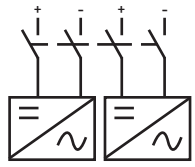
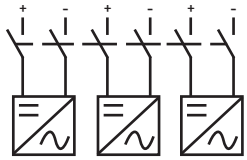
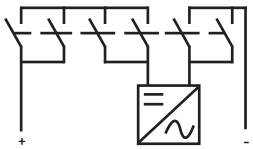
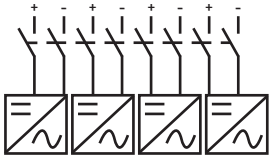
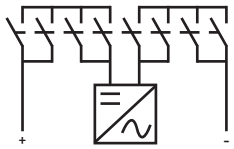
Step 4.
Select a suitable isolator from the table overleaf, with sufficient load capacity at your required voltage. For multiple string installations, consider your preferred isolator configuration. eg. a two string installation might use two appropriately rated 2-Pole isolators or one appropriately rated 4-Pole isolator.

EXAMPLE REQUIREMENT: ***"I need a DC isolator rated for 25A at 1500V per string"***

- Using the table overleaf, scan horizontally across the 1500V rating line of each isolator option.
- Locate the required current rating option at 1500V DC, in this case, 25A.
- Note that the SI25 isolator in -4S pole configuration meets the 25A@1500VDC requirement and select this device.

If the installation had multiple strings of this rating, we could consider the SI25-DBL-4S version in a string box as a more compact and aesthetically pleasing option to the installation of multiple separate SI25-PEL64R-4S enclosed isolators.

For more information please email sales@imopc.com

Number of Poles	Max. No. of Strings	Suffix	Rated operational current I_e	Type	SI16	SI25	SI32	SI38	SI40	SI55	SI65
2 Poles - Single String 	**1**	**-2**	500V	A	16	25	32	45	48	55	76
			600V	A	16	25	32	45	48	55	76
			700V	A	16	25	32	36	37	55	76
			800V	A	16	20	23	30	35	55	65
			900V	A	16	17	20	25	31	43	55
			1000V	A	10	11.5	13	20	29	36	40
			1100V	A	8	10	11.5	-	19	25	-
			1200V	A	7	8.5	10	10	11	17	17
			1300V	A	6	7	8	-	10	14	-
			1400V	A	5	6	7	-	9	12	-
			1500V	A	3	5	6	6	8	10	10
4 Poles - Higher Voltage Rating 	**1**	**-4S**	500V	A	16	25	32	45	48	55	76
			600V	A	16	25	32	45	48	55	76
			700V	A	16	25	32	45	48	55	76
			800V	A	16	25	32	45	48	55	76
			900V	A	16	25	32	45	48	55	76
			1000V	A	16	25	32	38	40	55	76
			1100V	A	16	25	32	-	40	55	55
			1200V	A	16	25	32	32	40	55	55
			1300V	A	16	25	32	-	40	55	55
			1400V	A	16	25	32	-	40	55	55
			1500V	A	16	25	32	32	40	55	55
4 Poles - Higher Current Rating 	**1**	**-2H**	500V	A	29	45	58	65	72	85	85
			600V	A	29	45	55	58	68	85	85
			700V	A	22	27	32	36	49	77	80
			800V	A	17	20	23	30	42	63	65
			900V	A	16	17	20	25	31	43	55
			1000V	A	10	11.5	13	20	29	36	40
			1100V	A	8	10	11.5	-	19	25	-
			1200V	A	7	8.5	10	10	11	17	17
			1300V	A	6	7	8	-	10	14	-
			1400V	A	5	6	7	-	9	12	-
			1500V	A	3	5	6	6	8	10	10
4 Poles - Two Strings 	**2**	**-4**	500V	A	16	25	32	45	48	55	76
			600V	A	16	25	32	45	48	55	76
			700V	A	16	25	32	36	37	55	76
			800V	A	16	20	23	30	35	55	65
			900V	A	16	17	20	25	31	43	55
			1000V	A	10	11.5	13	20	29	36	40
			1100V	A	8	10	11.5	-	19	25	-
			1200V	A	7	8.5	10	10	11	17	17
			1300V	A	6	7	8	-	10	14	-
			1400V	A	5	6	7	-	9	12	-
			1500V	A	3	5	6	6	8	10	10
6 Poles - Three Strings 	**3**	**-6**	500V	A	16	25	32	45	48	55	76
			600V	A	16	25	32	45	48	55	76
			700V	A	16	25	32	36	37	55	76
			800V	A	16	20	23	30	35	55	65
			900V	A	16	17	20	25	31	43	55
			1000V	A	10	11.5	13	20	29	36	40
			1100V	A	8	10	11.5	-	19	25	-
			1200V	A	7	8.5	10	10	11	17	17
			1300V	A	6	7	8	-	10	14	-
			1400V	A	5	6	7	-	9	12	-
			1500V	A	3	5	6	6	8	10	10
6 Poles - Higher Current Rating 	**1**	**-3H**	500V	A	29	45	58	-	72	85	85
			600V	A	29	45	58	-	72	85	85
			700V	A	29	43	55	-	72	85	85
			800V	A	29	40	51	-	68	85	85
			900V	A	29	38	47	-	62	78	78
			1000V	A	29	38	45	-	58	70	70
			1100V	A	19	27	37	-	-	-	-
			1200V	A	17	25	28	-	-	-	-
			1300V	A	15	21	25	-	-	-	-
			1400V	A	12	18	22	-	-	-	-
			1500V	A	10	14	20	-	-	-	-
8 Poles - Four Strings 	**4**	**-8**	500V	A	16	25	32	45	48	55	76
			600V	A	16	25	32	45	48	55	76
			700V	A	16	25	32	36	37	55	76
			800V	A	16	20	23	30	35	55	65
			900V	A	16	17	20	25	31	43	55
			1000V	A	10	11.5	13	20	29	36	40
			1100V	A	8	10	11.5	-	19	25	-
			1200V	A	7	8.5	10	10	11	17	17
			1300V	A	6	7	8	-	10	14	-
			1400V	A	5	6	7	-	9	12	-
			1500V	A	3	5	6	6	8	10	10
8 Poles - Higher Current Rating 	**1**	**-4H**	500V	A	29	45	58	65	72	85	85
			600V	A	29	45	58	65	72	85	85
			700V	A	29	45	58	65	72	85	85
			800V	A	29	45	58	65	72	85	85
			900V	A	29	45	58	65	72	85	85
			1000V	A	29	45	58	65	72	85	85
			1100V	A	29	45	54	-	60	68	-
			1200V	A	29	45	50	50	56	65	65
			1300V	A	26	39	44	-	50	61	-
			1400V	A	23	33	38	-	46	-	-
			1500V	A	20	26	32	32	42	55	55