

Solar modules multicrystalline

Specifications

Sollatek multicrystalline (polycrystalline) range

Model		SP10-PS	SP20-PS	SP30-PS	SP40-PS	SP60-PS
Size of cells	mm	78 x 26	125 x 32	159 x 39	156 x 52	158 x 78
Number of cells	pcs	36	36	36	36	36
Typical power	Wp	10	20	30	40	60
Open circuit voltage	V	21.4	21.2	21.6	21.6	21.6
Optimum operating voltage	V	16.8	16.8	17.2	17.2	17.2
Short circuit current	A	0.54	1.32	1.93	2.62	3.85
Optimum operating current	A	0.48	1.19	1.74	2.32	3.49
Noct (0.8kW/m_ 20°C 1m/s)	°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C
Frame dimensions (LxWxD)	mm	310 x 368 x 18	656 x 306 x 18	426 x 680 x 30	537 x 665 x 30	771 x 665 x 30
Depth with junction box	mm	30	30	30	30	45
Weight (net)	Kg	1.5	2.5	3.2	4.5	6.2
Warranty	years	25	25	25	25	25
Certificate						

These are the most popular sizes. Other sizes available on request.

Model		SP155-PS	SP160-PS	SP165-PS	SP170-PS	SP175-PS
Size of cells	mm	125 x 125	125 x 125	125 x 125	125 x 125	125 x 125
Number of cells	pcs	72	72	72	72	72
Typical power	Wp	155	160	165	170	175
Open circuit voltage	V	42.2	42.4	42.6	42.8	43.2
Optimum operating voltage	V	33.3	33.5	33.8	34.1	34.2
Short circuit current	A	5.08	5.12	5.23	5.32	5.4
Optimum operating current	A	4.65	4.78	4.88	4.99	
Noct (0.8kW/m_ 20°C 1m/s)	°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C
Frame dimensions (LxWxD)	mm	1580 x 808 x 35	1580 x 808 x 35	1580 x 808 x 35	1580 x 808 x 35	1580 x 808 x 35
Depth with junction box	mm	45	45	45	45	45
Weight (net)	Kg	15.5	15.5	15.5	15.5	15.5
Warranty	years	25	25	25	25	25
Certificate						

These are the most popular sizes. Other sizes available on request.



SP65-PS	SP70-PS	SP75-PS	SP80-PS	SP85-PS	SP120-PS	SP130-PS	SP140-PS
158 x 78	158 x 78	125 x125	125 x125	125 x125	156 x156	156 x156	156 x156
36	36	36	36	36	36	36	36
65	70	75	80	85	120	130	140
21.8	22.1	21	21.2	21.4	21.6	21.8	22.1
17.2	17.6	16.6	16.8	17.1	17.2	17.2	17.6
3.93	4.05	5	5.12	5.32	7.7	7.85	8.1
3.78	3.98	4.52	4.76	4.97	6.98	7.56	7.95
48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C
771 x 665 x 30	771 x 665 x 30	1195 x 541 x 30	1195 x 541 x 30	1195 x 541 x 30	1482 x 676 x 35	1482 x 676 x 35	1482 x 676 x 35
45	45	45	45	45	45	45	45
6.2	6.2	8	8	8	12	12	12
25	25	25	25	25	25	25	25
		IEC61215	IEC61215	IEC61215		IEC61215	IEC61215

SP220-PS	SP230-PS	SP240-PS	SP250-PS	SP260-PS	SP270-PS	SP280-PS
156 x 156	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156
72	72	72	72	72	72	72
220	230	240	250	260	270	280
42.2	42.4	43.2	43.2	43.6	43.8	43.8
34	34	34.4	34.4	34.8	35.2	35.2
7.48	7.6	7.7	7.82	7.9	8.1	8.3
6.47	6.76	6.98	7.27	7.47	7.67	7.95
48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C	48°C ± 2°C
1956 x 992 x 50	1956 x 992 x 50	1956 x 992 x 50	1956 x 992 x 50	1956 x 992 x 50	1956 x 992 x 50	1956 x 992 x 50
45	45	45	45	45	45	45
23	23	23	23	23	23	23
25	25	25	25	25	25	25
		IEC61215	IEC61215	IEC61215	IEC61215	IEC61215

Solar modules **monocrystalline**

Specifications

Sollatek monocrystalline range

Model		SP10-MH	SP20-MH	SP30-MH	SP40-MH	SP45-MH
Size of cells	mm	125x14	125x32	125x42	125x63	125x42
Number of cells	pcs	36	36	36	18	18
Typical power	Wp	10	20	30	40	45
Open circuit voltage	V	21.6	21.6	21.6	21.6	21.6
Optimum operating voltage	V	17.8	17.8	17.8	17.8	17.8
Shorting circuit current	A	0.6	1.25	1.88	2.5	2.82
Optimum operating current	A	0.56	1.12	1.69	2.25	2.53
Noct (0.8kW/m_20°C 1m/s)	°C	46°C	46°C	46°C	46°C	46°C
Depth with junction box	mm	25	25	25	25	25
Frame dimensions (LxWxD)	mm	350 x 290 x 35	643 x 282 x 35	445 x 536 x 35	633 x 536 x 35	830 x 536 x 35
Net weight	Kg	1.35	2.4	3.2	4.5	5.4
Warranty	yrs	25	25	25	25	25
Certificate						

These are the most popular sizes. Other sizes available on request.

Model		SP115-MH	SP120-MH	SP125-MH	SP130-MH	SP135-MH
Size of cells	mm	125x62	125x62	125x62	125x62	125x62
Number of cells	pcs	54	54	54	54	54
Typical power	Wp	115	120	125	130	135
Open circuit voltage	V	21.6	21.6	21.6	21.6	21.8
Optimum operating voltage	V	17.8	17.8	17.8	17.8	18
Shorting circuit current	A	7.19	6.74	6.74	8.2	8.6
Optimum operating current	A	6.46	7.51	7.82	7.3	7.5
Noct (0.8kW/m_20°C 1m/s)	°C	46°C	46°C	46°C	46°C	46°C
Depth with junction box	mm	34	34	34	34	34
Frame dimensions (LxWxD)	mm	1209 x 808 x 50	1209 x 808 x 50	1209 x 808 x 50	1209 x 808 x 50	1209 x 808 x 50
Net weight	Kg	12.4	12.4	12.4	12.4	12.4
Warranty	yrs	25	25	25	25	25
Certificate						

These are the most popular sizes. Other sizes available on request.



SP50-MH	SP55-MH	SP60-MH	SP65-MH	SP70-MH	SP75-MH	SP80-MH	SP85-MH	SP100-MH
125x42	125x42	125x42	125x125	125x125	125x125	125x125	125x125	125x62
24	24	24	36	36	36	36	36	108
50	55	60	65	70	75	80	85	100
21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
3.13	3.4	3.75	4.04	4.37	4.69	5.01	5.32	6.26
2.81	3.09	3.37	3.65	3.93	4.21	4.49	4.78	5.62
46°C	46°C	46°C	46°C	46°C	46°C	46°C	46°C	46°C
25	25	25	25	25	25	25	25	34
633 x 536 x 35	633 x 536 x 35	633 x 536 x 35	830 x 536 x 35	1195 x 542 x 35	1195 x 542 x 35	1195 x 542 x 35	1195 x 542 x 35	1195 x 808 x 50
5.4	5.4	5.4	8.6	8.6	8.6	8.6	8.6	8.6
25	25	25	25	25	25	25	25	25

SP150-MH	SP155-MH	SP160-MH	SP165-MH	SP170-MH	SP175-MH	SP180-MH	SP185-MH	SP195-MH
125x125	125x125	125x125	125x125	125x125	125x125	125x125	125x125	125x125
72	72	72	72	72	72	72	72	72
150	155	160	165	170	175	180	185	195
43.4	43.6	44	44.2	44.5	44.8	45.2	45.4	45
35.6	35.6	35.6	35.6	35.6	35.8	36.3	36.5	37.5
4.66	4.79	4.85	5.03	5.15	5.26	5.4	5.49	5.56
4.21	4.35	4.49	4.64	4.78	4.88	4.96	5.05	5.21
46°C	46°C	46°C	46°C	46°C	46°C	46°C	46°C	48°C
34	34	34	34	34	34	34	34	34
1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50	1580 x 808 x 50
16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
25	25	25	25	25	25	25	25	25
	IEC61215	IEC61215		IEC61215	IEC61215	IEC61215	IEC61215	IEC61215