

Solar Modules

Specifications

Multi and mono crystalline

All Sollatek solar modules are available in multi and monocrystalline.



Multicrystalline / Monocrystalline

Model		SP10-PS	SP20-PS	SP30-PS	SP40-PS	SP60-PS	SP65-PS	SP70-PS	SP75-PS	SP80-PS	SP85-PS	SP120-PS	SP130-PS	SP140-PS
Size of cells	mm	78 x 26	125 x 32	159 x 39	156 x 52	158 x 78	158 x 78	158 x 78	125 x125	125 x125	125 x125	156 x156	156 x156	156 x156
Number of cells	pcs	36	36	36	36	36	36	36	36	36	36	36	36	36
Typical power	Wp	10	20	30	40	60	65	70	75	80	85	120	130	140
Nominal battery voltage	V	12	12	12	12	12	12	12	12	12	12	12	12	12
Open circuit voltage	V	21.4	21.2	21.6	21.6	21.6	21.8	22.1	21	21.2	21.4	21.6	21.8	22.1
Optimum operating voltage	V	16.8	16.8	17.2	17.2	17.2	17.2	17.6	16.6	16.8	17.1	17.2	17.2	17.6
Short circuit current	A	0.54	1.32	1.93	2.62	3.85	3.93	4.05	5	5.12	5.32	7.7	7.85	8.1
Optimum operating current	A	0.48	1.19	1.74	2.32	3.49	3.78	3.98	4.52	4.76	4.97	6.98	7.56	7.95
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	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
Connection		Cable	Cable	Cable	Cable	Plug type IV	Plug type IV	Plug type IV	Plug type IV	Plug type IV	Plug type IV	Plug type IV	Plug type IV	Plug type IV
Diodes		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
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	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
Depth with junction box	mm	30	30	30	30	45	45	45	45	45	45	45	45	45
Weight (net)	Kg	1.5	2.5	3.2	4.5	6.2	6.2	6.2	8	8	8	12	12	12
Operational & storage temperature	°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Warranty	years	25	25	25	25	25	25	25	25	25	25	25	25	25

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