

Solar Modules

Specifications

Multi and mono crystalline

All Sollatek solar modules are available in multi and monocrystalline.

Multicrystalline / Monocrystalline

Model		SP155-PS	SP160-PS	SP165-PS	SP170-PS	SP175-PS	SP220-PS	SP230-PS	SP240-PS	SP250-PS	SP260-PS	SP270-PS	SP280-PS
Size of cells	mm	125 x 125	125 x 125	125 x 125	125 x 125	125 x 125	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156
Number of cells	pcs	72	72	72	72	72	72	72	72	72	72	72	72
Typical power	Wp	155	160	165	170	175	220	230	240	250	260	270	280
Nominal battery voltage	V	24	24	24	24	24	24	24	24	24	24	24	24
Open circuit voltage	V	42.2	42.4	42.6	42.8	43.2	42.2	42.4	43.2	43.2	43.6	43.8	43.8
Optimum operating Voltage	V	33.3	33.5	33.8	34.1	34.2	34	34	34.4	34.4	34.8	35.2	35.2
Short circuit current	A	5.08	5.12	5.23	5.32	5.4	7.48	7.6	7.7	7.82	7.9	8.1	8.3
Optimum operating current	A	4.65	4.78	4.88	4.99		6.47	6.76	6.98	7.27	7.47	7.67	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
Connection		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	Plug type IV	Plug type IV	Plug type IV
Diodes		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
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	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
Depth with junction box	mm	45	45	45	45	45	45	45	45	45	45	45	45
Weight (net)	Kg	15.5	15.5	15.5	15.5	15.5	23	23	23	23	23	23	23
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
Warranty	years	25	25	25	25	25	25	25	25	25	25	25	25

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