

Mono-crystalline solar modules										
SE Series Listed by IEC61215,IEC61730, German official VDE										
Model	Electrical Parameters					Size of the modules (mm)	Weight (kg)	Type of the cells	layout	Cells efficiency %
	Power Pmp(W)	Voltage Vmp(V)	Current Imp(A)	Short Current Isc(A)	Open Current Voc(V)					
SE/SDP-280	280	36.1	7.76	8.30	44.5	1952*994*46	23	156*156	12*6	16.28
SE/SDP-270	270	35.9	7.52	8.20	44.3	1952*994*46	23	156*156	12*6	15.69
SE/SDP-260	260	35.7	7.28	8.00	43.8	1952*994*46	23	156*156	12*6	15.11
SE/SDP-250	250	35.4	7.06	7.80	43.5	1952*994*46	23	156*156	12*6	14.53
SE/SDP-240	240	35.2	6.82	7.70	43.2	1952*994*46	23	156*156	12*6	13.95
SE/SDP-230	230	30.5	7.54	8.25	36.8	1636*994*46	20	156*156	10*6	16.03
SE/SDP-220	220	29.2	7.53	8.10	36.1	1636*994*46	20	156*156	10*6	15.36
SE/SDP-210	210	29.1	7.22	8.10	36.0	1636*994*46	20	156*156	10*6	14.65
SE/SDP-200	200	29.1	6.87	7.70	36.1	1636*994*46	20	156*156	10*6	13.95
SE/SDP-190	190	26.2	7.25	7.82	32.8	1478*994*46	18	156*156	9*6	14.73
SE/SDP-180	180	24.2	7.44	8.20	29.6	1320*994*46	16.5	156*156	8*6	15.69
SE/SDP-175	175	23.8	7.35	8.10	29.3	1320*994*46	16.5	156*156	8*6	15.26
SE/SDP-170	170	35.8	4.75	5.17	44.5	1580*808*46	16	125*125	12*6	15.89
SE/SDP-165	165	35.6	4.63	5.05	44.3	1580*808*46	16	125*125	12*6	15.41
SE/SDP-160	160	34.6	4.62	5.19	43.6	1580*808*46	16	125*125	12*6	14.95
SE/SDP-155	155	34.4	4.51	5.13	43.4	1580*808*46	16	125*125	12*6	14.49
SE/SDP-150	150	34.2	4.39	5.10	43.2	1580*808*46	16	125*125	12*6	14.02
SE/SDP-145	145	33.6	4.32	4.88	42.8	1580*808*46	16	125*125	12*6	13.55
SE/SDP-140	140	33.6	4.17	4.75	42.6	1580*808*46	16	125*125	12*6	13.08
SE/SDP-135	135	22.90	5.90	4.68	42.40	1478*678*35	13	156*156	9*4	15.69
SE/SDP-130	130	22.30	5.83	4.64	41.80	1478*678*35	13	156*156	9*4	15.11
SE/SDP-125	125	17.6	7.10	7.95	21.5	1478*678*35	13	156*156	9*4	14.53
SE/SDP-120	120	17.2	6.98	7.91	21.3	1478*678*35	13	156*156	9*4	13.95
SE/SDP-110	110	16.8	6.55	7.40	21.1	1478*678*35	13	156*156	9*4	12.76
SE/SDP-100	100	25.2	3.97	5.07	42.2	1072*808*35	11	125*125	8*6	14.02
SE/SDP-90	90	24.3	3.89	4.93	41.2	1072*808*35	11	125*125	8*6	12.62
SE/SDP-85	85	17.8	4.78	5.22	22.5	1200*550*35	8	125*125	9*4	15.89
SE/SDP-80	80	17.3	4.63	5.19	21.8	1200*550*35	8	125*125	9*4	14.95
SE/SDP-75	75	17.4	4.31	5.03	21.3	1200*550*35	8	125*125	9*4	14.02
SE/SDP-70	70	16.8	4.17	4.80	21.4	1200*550*35	8	125*125	9*4	13.08
SE/SDP-65	65	17.2	3.78	3.93	21.8	770*670*28	6.5	1/2*156	9*4	15.12
SE/SDP-60	60	17.1	3.51	3.88	21.6	770*670*28	6.5	1/2*156	9*4	13.95
SE/SDP-55	55	17.0	3.24	3.85	21.5	820*550*28	5.6	2/3*125	9*4	14.03
SE/SDP-50	50	16.8	2.98	3.78	20.6	820*550*28	5.6	2/3*125	9*4	14.03
SE/SDP-45	45	16.0	2.81	2.92	20.2	536*670*28	4.5	1/3*156	9*4	15.69

SE/SDP-40	40	17.3	2.31	2.54	21.1	536*670*28	4.5	1/3*156	9*4	13.95
	40	17.7	2.26	2.49	22.3	632*550*28	4.5	1/2*125	9*4	14.95
SE/SDP-35	35	17.4	2.01	2.50	20.9	770*358*28	3.5	1/4*156	9*4	16.27
SE/SDP-30	30	17.3	1.73	1.93	21.6	770*358*28	3.5	1/4*156	9*4	13.95
	30	18.2	1.65	1.82	22.9	443*550*28	3	1/3*125	9*4	16.82
SE/SDP-25	25	17.3	1.45	1.89	20.9	443*550*28	3	1/3*125	9*4	14.01
SE/SDP-20	20	17.3	1.16	1.36	21.6	536*358*28	2.5	1/6*156	9*4	13.95
	20	17.7	1.13	1.33	22.3	632*296*28	2.2	1/4*125	9*4	14.95
SE/SDP-15	15	17.6	0.85	1.32	21.6	378*358*28	1.7	1/8*156	9*4	13.96
SE/SDP-10	10	17.3	0.58	0.66	21.6	302*358*28	1.5	1/12*156	9*4	13.95
	10	17.7	0.56	0.63	22.3	350*296*28	1.5	1/8*125	9*4	14.95

SE/SDP/ series silicon solar modules with high quality. It has a wide application area, such as grid-connected power system, stand alone power system, civic construction, seniod solar water pump, communication, traffic, military, industry and agriculture etc.

Feature:

1. High quality guarantee using 125/156 mm high conversion efficiency crystalline silicon solar cells
2. High performance bypass diodes minimize the power drop caused by shade
3. High transmittance, low iron tempered glass; high performance EVA; a weatherproof back sheet and sandblast electrophoresis aluminum frame extend the application of modules greatly
4. 25-year limited warranty on power output and performance (see quality guarantee)
5. Waterproof, multi-functional junction box gives high level of safety.

Test Condition and Warranty	
Maximum system voltage (V)	1000V
Temperature coefficients of Isc (%)	+0.04±0.015 %/°C
Temperature coefficients of Voc (%)	- (0.35±0.02) %/°C
Temperature coefficients of Pm (%)	- (0.5±0.05) %/°C
Temperature coefficients of Im (%)	+0.04%/°C
Temperature coefficients of Vm (%)	-0.38%/°C
Temperature Range	-40°C~+90°C
Tolerance Wattage (e.g. +/-3%)	±3%
Surface Maximum Load Capacity	60m/s(200kg/m2)
Allowable Hail Load	Steel ball fall down from 1m height
Length of Cables (mm)	900mm
Frame (Material, Corners, etc.)	Aluminum
Standard Test Conditions	AM1.5 1000W/m2 25°C
Warranty	2 years product warranty, 10 years 90% of power and 25 years 80% of power.

**Remark:**

MOQ: 40 ft container. Lead time: 7 days after received payment..