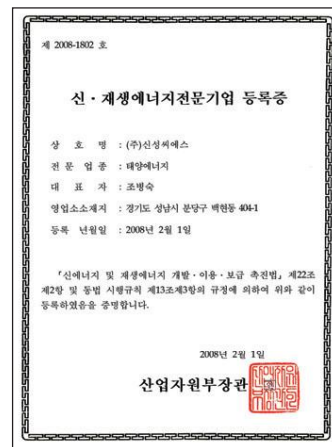


Solar Module



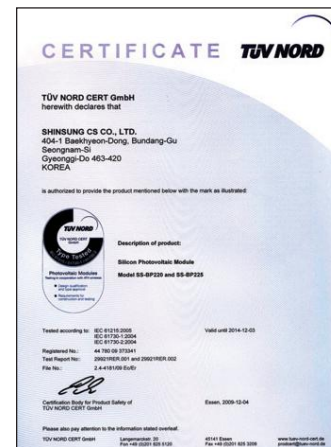
INSTALLATION CASE



Renewable Energy Specialty Company
Registration Certificate
(by Industry and Energy Minister)



ISO 9001



Certificate(TUV)

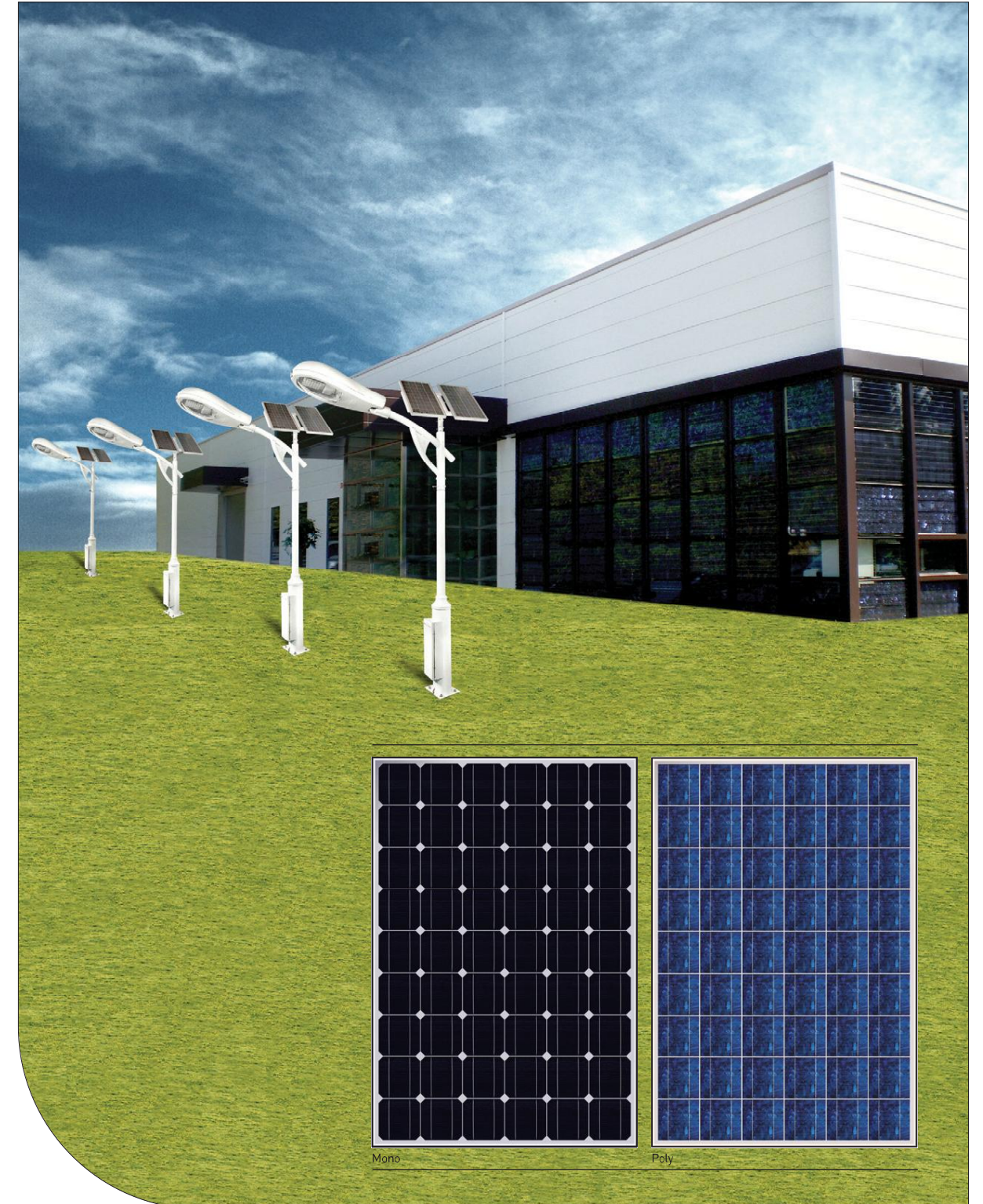
Contact Point

Web. www.shinsungcs.co.kr

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Tel. +82 - 31 - 788 - 9431

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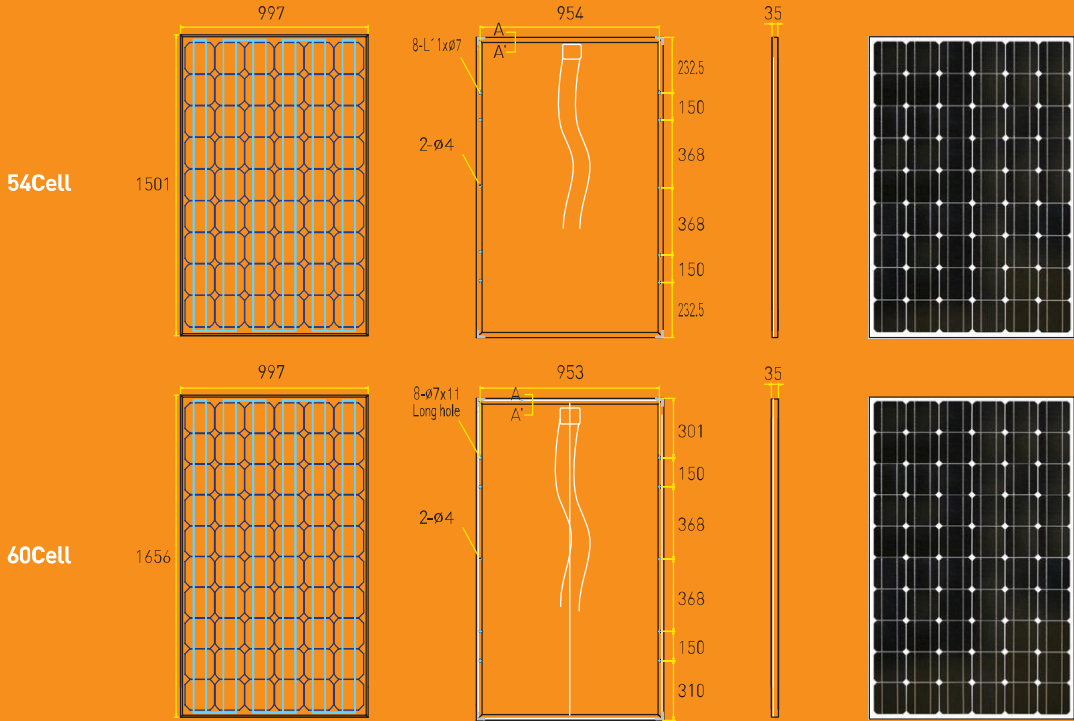
Solar Module

High Quality & Efficiency

Shinsung Solar has been playing a leading role in the development of highly efficient solar cells and modules. Higher efficiency means more power generation from the same amount of sunlight while using the same amount of space.

Numerous tests are performed during the manufacturing process to meet our stringent quality standards as well as international industry standards such as IEC, TUV, UL, CE and CEC.

PV Module Diagram (9 x 6, 10 x 6 Matrix)



Dimension & Weight			Limited Warranty	
	SS-LS series	SS-AM[AP] series	SS-BM[BP] series	
Dimensions	1,505 x 670 x 35	1,501 x 997 x 35	1,656 x 997 x 35	- 5 years for product defect - 12 years for 90% of warranted min. power - 25 years for 80% of warranted min. power
Weight	12kg	16.2kg	18kg	



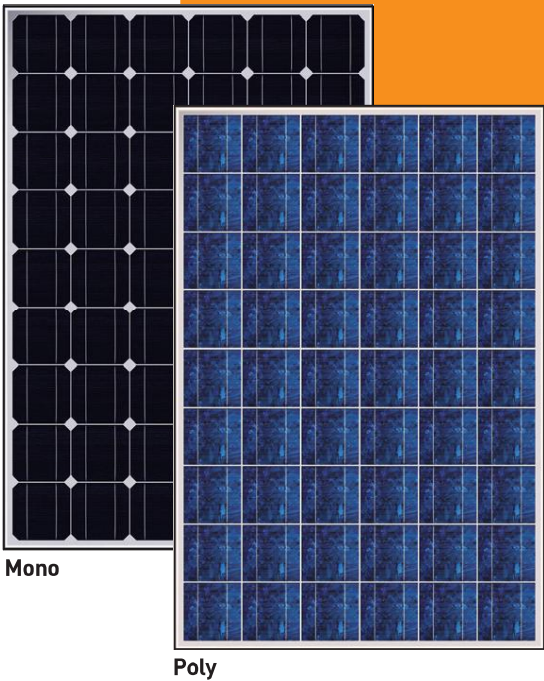
Solar Module

Mono Crystalline Type Solar Module

Item	Unit	SS-LS series				SS-AM series							SS-BM series						
		60	120	140	145	185	195	200	205	210	215	220	215	219	225	230	235	240	
Peak Power [Pmax]	W	60	120	140	145	185	195	200	205	210	215	220	215	219	225	230	235	240	
Voltage at Pmax [Vmpp]	V	15.90	17.55	18.26	18.13	26.70	26.60	25.72	26.20	26.40	27.22	27.48	29.20	29.60	29.20	29.00	29.56	29.56	
Current at Pmax [Impp]	A	3.78	7.06	7.66	8.00	7.33	7.50	7.78	8.03	8.40	7.90	8.02	7.70	7.80	7.71	7.93	7.95	8.12	
Open circuit voltage [Voc]	V	19.30	22.70	22.51	22.43	33.90	34.10	33.37	33.20	33.20	33.65	35.12	37.20	37.60	37.80	38.50	39.01	39.50	
Short circuit current [Isc]	A	4.01	7.87	8.32	8.50	8.10	8.20	8.48	8.40	8.50	8.40	8.70	8.30	8.40	8.40	8.50	8.58	8.70	
Output tolerance	%	± 3																	
No. of cells	PCS	16 in series	36 in series			54 in series							60 in series						
Cell Type		6" mono-crystalline silicon																	
Temperature coefficient of Pmpp	%/°C	-0.49																	
Temperature coefficient of Voc	%/°C	-0.40																	
Temperature coefficient of Isc	%/°C	0.056																	

Poly Crystalline Type Solar Module

Item	Unit	SS-AP series	SS-BP series			
		200	215	220	225	230
Peak Power[Pmax]	W	200	215	220	225	230
Voltage at Pmax [Vmpp]	V	26.02	29.51	28.57	30.11	30.53
Current at Pmax [Impp]	A	7.68	7.28	7.70	7.47	7.53
Open circuit voltage [Voc]	V	32.94	35.12	37.60	36.48	36.76
Short circuit current [Isc]	A	8.23	7.93	8.24	8.12	8.27
Output tolerance	%	± 3				
No. of cells	PCS	54 in series	60 in series			
Cell Type		6" ± Poly-crystalline silicon				
Temperature coefficient of Pmpp	%/°C	-0.47				
Temperature coefficient of Voc	%/°C	-0.40				
Temperature coefficient of Isc	%/°C	0.064				



* All data at STC[Standard Test Conditions]
* IEC, TUV, UL, CE, CEC approval pending: 245~320W

