



# SS-BM SERIES

Mono crystalline solar panels 230~265W

## More power, Less space, Satisfactory products

Shinsung Solar Energy satisfies various needs of the customers based on the production of the world's best high efficiency solar modules and by pursuing a product specialization strategy. The company has the most diverse product lines in the industry, and plans to focus on the development of diverse and highly specialized products.



High quality high power  
- cell efficiency 19% /  
module efficiency 16.57%



25 years product  
guarantee



-40°~+85°C in any  
environment to ensure  
high power output



Passing mechanical load  
test of 540kg/m<sup>2</sup>(5400 Pa)  
according to IEC 61215



Customer satisfaction  
through product  
diversification

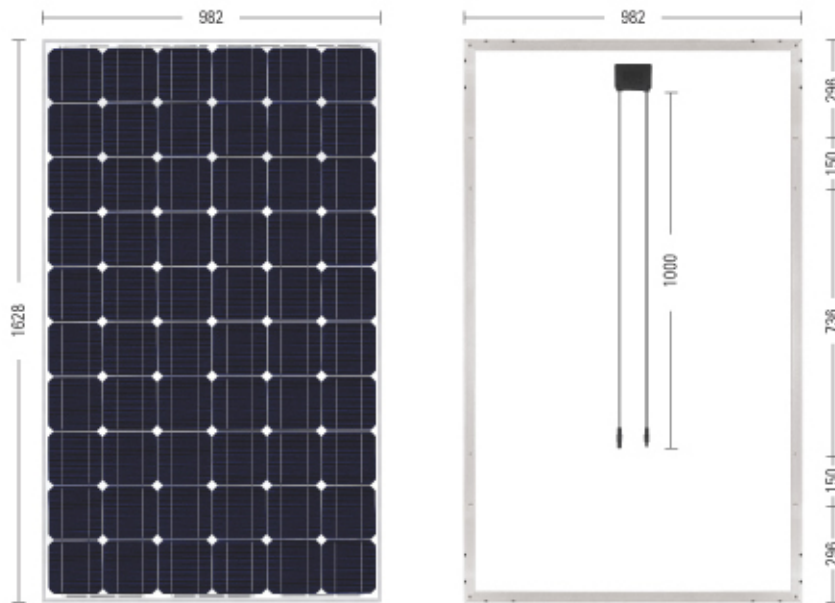


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## Dimension



## Temperature Coefficient

Coefficient	Calculated Value
$\alpha$ [A/°C]	0.00262
$\beta$ [%/K]	-0.37067
$\alpha$ [%/°C]	0.02971
Y [W/°C]	-1.56697
$\beta$ [V/°C]	-0.16415
Y [%/K]	-0.53969

## Mechanical Data

Solar Cell(Matrix)	60(10x6) Mono crystalline, 6inch
Front Glass	3.2mm or 4.0mm Low iron Tempered Glass
Junction Box	IP 67 rated with 3bypass diodes
Output Cable	1000mm length cables / MC Connectors
Frame	Anodized aluminum

Item	SS-BM230	SS-BM240	SS-BM245	SS-BM248	SS-BM250	SS-BM260	SS-BM265
Matrix	10x6						
Cell Type	Mono Crystalline						
Peak Power (Wp)	230	240	245	248	250	260	265
Open Circuit Voltage(V)	35.71	36.25	36.54	36.69	36.78	37.27	38.07
Short Circuit Current(A)	8.61	8.67	8.81	8.88	8.93	9.12	9.16
Voltage at Pmax (V)	29.37	29.89	30.14	30.33	30.46	30.95	31.62
Current at Pmax (A)	7.82	8.02	8.13	8.18	8.21	8.4	8.38
Size(mm)	997x1,656x35	997x1,656x40	982x1,628x40				
Weight(Kg)	18						
Efficiency(%)	13.93	14.53	15.32	15.51	15.63	16.26	16.57

## Tested Operating Conditions

Operating Temperature	-40~+85°C
Max Load	540kg/m(5400 Pa)
Impact Resistance	Hail : 25mm at 23m/s

## Warranty and Certification

Warranty	10 year limited Power warranty : 90% 25 year limited Power warranty : 80%
Certifications	IEC 61215, Safety tested IEC 61730



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