



# SS245W-275W M Monocrystalline



ALL SPECIFIED PARAMETERS ARE AT STC 25°C AMBIENT, 1000W/M<sup>2</sup> IRRADIANCE AND AM 1.5

## ELECTRICAL SPECIFICATIONS

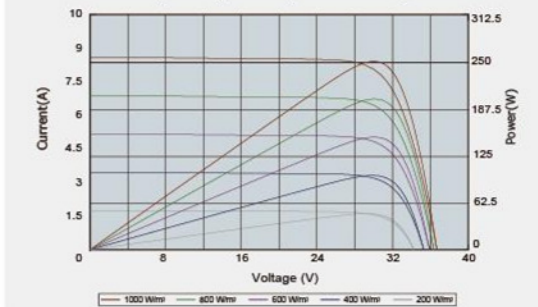
Module Type		SS245-60M	SS250-60M	SS255-60M	SS260-60M	SS265-60M	SS270-60M	SS275-60M
Max-Power	Pm(W)	245	250	255	260	265	270	275
Power Tolerance	(W)	+0~+5W	+0~+5W	+0~+5W	+0~+5W	+0~+5W	+0~+5W	+0~+5W
Max-Power Voltage	Vm(V)	30.3	30.4	30.5	30.6	30.7	30.8	30.9
Max-Power Current	Im(A)	8.09	8.23	8.37	8.50	8.63	8.77	8.90
Open-Circuit Voltage	Voc(V)	37.4	37.5	37.6	37.6	37.7	37.7	37.6
Short-Circuit Current	Isc(A)	8.55	8.68	8.81	8.94	9.08	9.23	9.36
Cell Efficiency	(%)	17.5	17.8	18.2	18.5	18.9	19.3	19.6
Module Efficiency	(%)	15.1	15.4	15.7	16	16.3	16.6	16.9
Max-System Voltage	(VDC)	1000V(IEC)						
Max Series Fuse	(A)	15						
Pmax Temperature Coefficients	(%/°C)	-0.47						
Isc Temperature Coefficients	(%/°C)	0.045						
Voc Temperature Coefficients	(%/°C)	-0.34						
NOCT Nominal Operating Cell Temperature		45±2°C						
Operating Temperature		-40~+85°C						

## MECHANICAL SPECIFICATIONS

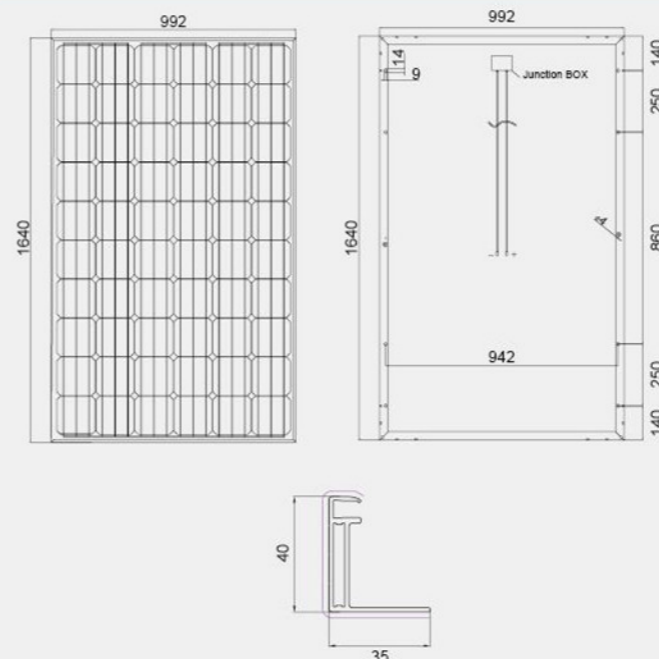
External Dimensions	1640*992*40 mm
Weight	20 Kg
Solar Cell	Monocrystalline 156x156mm (60pcs)
Front glass	3.2mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP65/67 rated
Output Cabel	4.0mm <sup>2</sup> TUV certified 900mm
Connector	MC4 Compatible

## ELECTRICAL CHARACTERISTICS

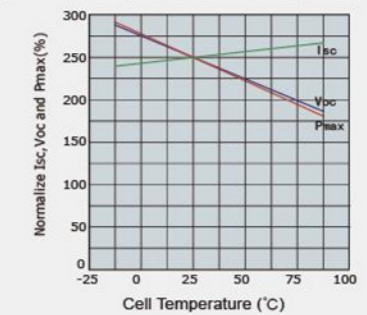
Current-Voltage & Power-Voltage Curve (AM1.5, Cell Temperature 25°C)



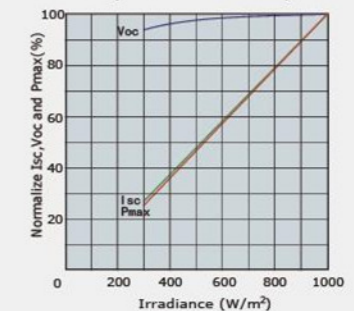
## PHYSICAL CHARACTERISTICS Unit:mm (inch)



Temperature Dependence of Isc, Voc and Pmax



Irradiance Dependence of Isc, Voc and Pmax



**High conversion efficiency**  
High module efficiency to guarantee power output.



**Self-cleaning glass**  
Coating glass for self-cleaning, reduce surface dust.



**Outstanding low irradiation performance**  
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



**Excellent loading capability**  
2400Pa wind loads, 5400Pa snow loads.

0 to +5W

0 to +5W positive tolerance  
Detailed information in Electrical Specifications.

48

48-hour response service



25 25-year performance warranty

10 10-year warranty on materials and workmanship