



Target Solar Company WalSolar Industrial Corporation



Mono-crystalline Silicon Photovoltaic Module



WS310-345WG6M

Features :

- High power module using 6" mono-crystalline solar cell.
- Bypass diode minimizes power drop by shade.
- Using optical low iron tempered glass, EVA laminate and Tedlar backsheet.
- Anodize aluminum frame protected.
- Manufactured in ISO 9001 : 2000 certified facility.
- 20-years limited warranty on power output.

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Specifications :

Model \ Power	310W	315W	320W	325W	330W	335W	340W	345W
Max power voltage Vmp(V)	36.48	36.83	37.11	37.61	37.96	38.17	38.52	38.95
Max power current Imp(A)	8.5	8.55	8.62	8.64	8.69	8.78	8.82	8.86
Open circuit voltage Voc(V)	45.87	46.09	46.38	46.67	46.89	47.01	47.56	48.13
Short circuit current Isc(A)	9.01	9.11	9.2	9.29	9.38	9.5	9.26	9.56
Power Tolerance	+/-3%							
Number of cells	72							
Module Efficiency(%)	16	16.3	16.5	16.8	17	17.3	17.5	17.8
Dimension(MM)	1948x995x40							
Operate Temp. scope(°C)	-40 to +85							
Relative humidity	0 to 100%							
Weight(Kg)	22.5							

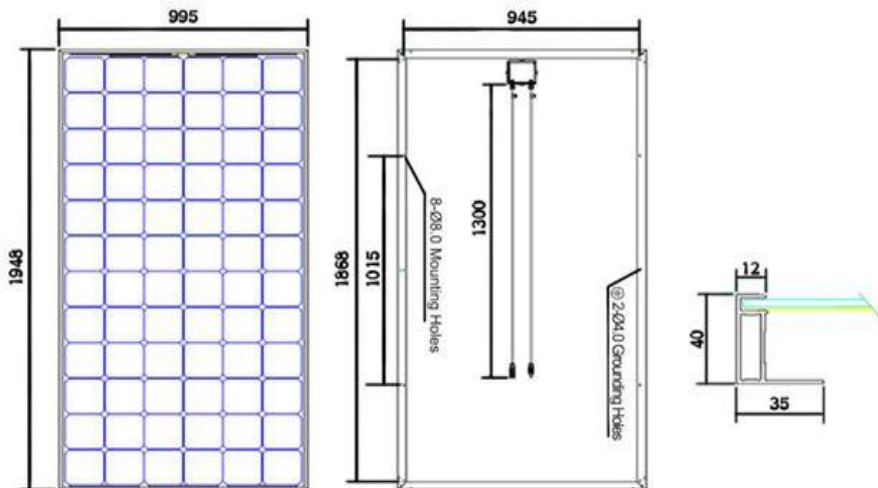
*1 STC: Irradiance level 1000 W/m²; Spectral AM1.5; Temperature 25°C

*2 Power tolerance can be adjusted upon requests

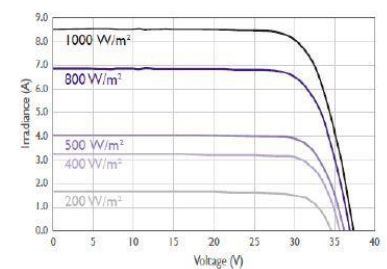
*3 NOCT: 46±2°C

Mechanical Characteristics

Junction box IP 65 or above with 3 bypass diodes ; cables 1M/φ 4mm²
 Series fuse rating Inside Junction Box 15A



IV Curve



Packing Configuration

Container	20'GP	40'HQ
Pieces per pallet	52	26
Pallets per container	5	24
Pieces per container	260	624

Warranty

Product Warranty:
 5 years for material and workmanship
 Performance Guarantee:
 90% for 10 years Guaranteed output
 80% for 25 years Guaranteed output

Working Condition

Maximum System Voltage: 1000V
 Operating Temperature: -40 ~ +85°C
 Maximum Static Load:
 Snow load 5400pa
 Wind load 2400pa

Temperature Coefficient

Isc Temperature Coefficient: α(%/°C) +0.06
 Voc Temperature Coefficient: β(%/°C) -0.30
 Pmax Temperature Coefficient: γ(%/°C) -0.44

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