



Target Solar Company WalSolar Industrial Corporation



Mono-crystalline Silicon Photovoltaic Module



WS270-300WG6M

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	270W	275W	280W	285W	290W	295W	300W
Max power voltage Vmp(V)	31.63	31.87	32.10	32.22	32.58	32.46	32.75
Max power current Imp(A)	8.54	8.63	8.72	8.85	8.90	9.09	9.16
Open circuit voltage Voc(V)	38.71	38.95	39.34	39.93	40.17	39.9	40.02
Short circuit current Isc(A)	9.30	9.41	9.49	9.52	9.63	9.6	9.74
Weight(KG)	19.5						
Number of cells	60						
Solar Cell Efficiency(%)	16.6	17	17.2	17.6	17.9	18.2	18.5
Power Tolerance*2	+/-3%						

*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

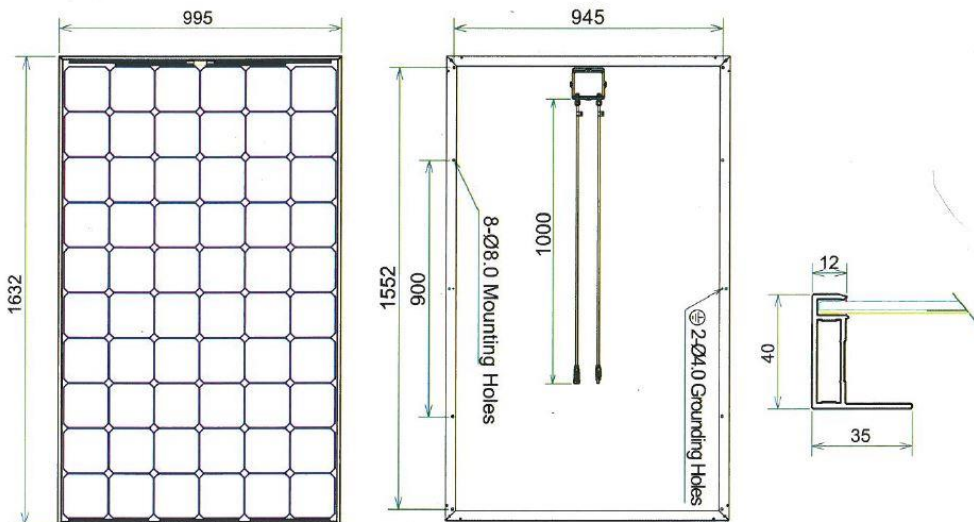
Mechanical Characteristics

Dimensions of the Module (W×H×D)(mm) 1632X995X40

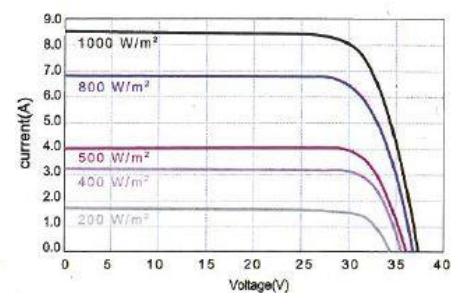
Weight of the Module(kg) 19.5

Junction box IP 65 or above with 3 bypass diodes ; cables 1M/φ 4 mm²

Series fuse rating Inside Junction Box 15A



IV Curve



Packing Configuration

Container	20'GP	40'HQ
Pieces per pallet	52	26
Pallets per container	6	28
Pieces per container	312	728

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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