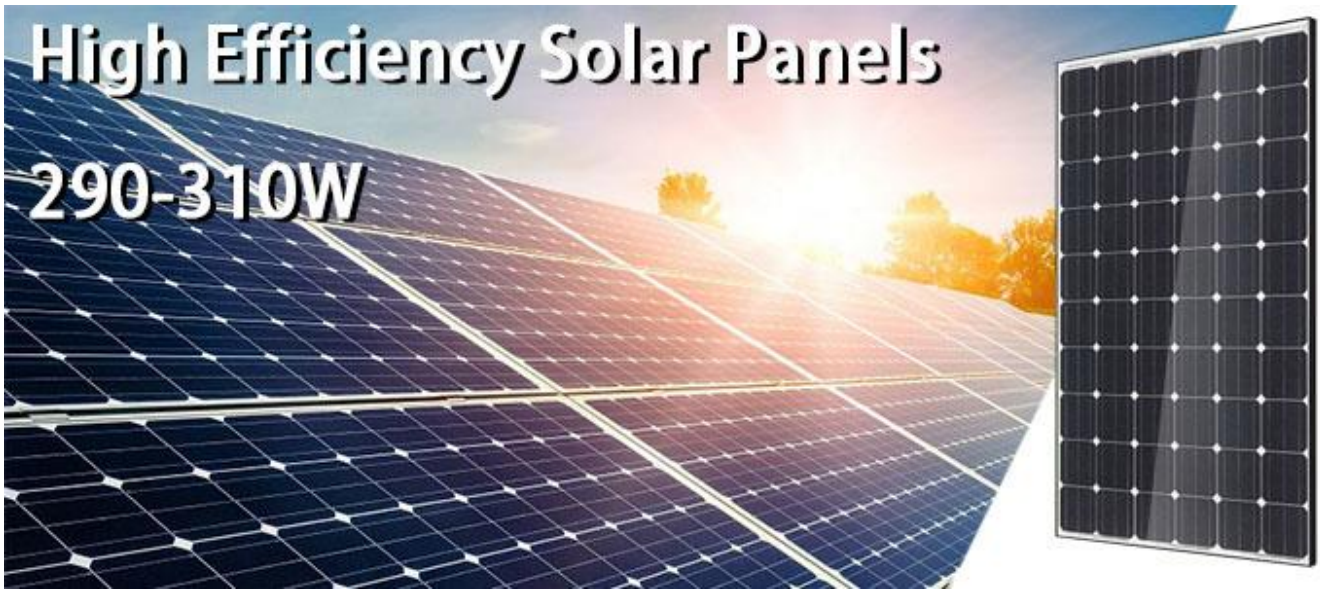
target solar company
walsolar industrial corporation



Mono-crystalline Silicon Photovoltaic Module

IEC CE Output 25 yrs warranty 5yrs product warranty

WS290-310WG6M

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.

NO.7-1, Ln.3, Xinhe 1st Rd., Tainan City 702, Taiwan
TEL: +886-6-2648199 FAX: +886-2-66021277
www.target-solar.com info@target-solar.com

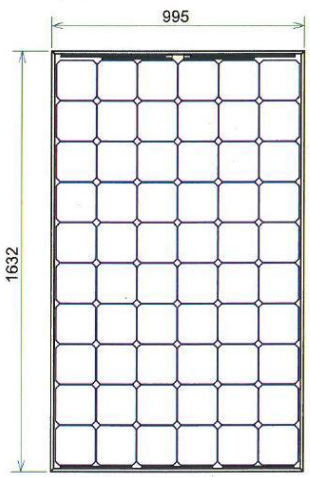
Specifications：

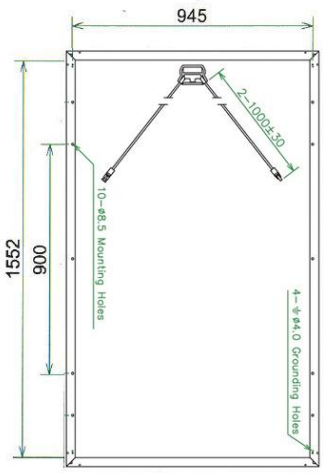
Model \ Power	290W	295W	300W	305W	310W
Max power voltage Vmp(V)	32.34	32.63	32.87	33.16	33.40
Max power current Imp(A)	8.97	9.04	9.13	9.20	9.28
Open circuit voltage Voc(V)	39.12	39.36	39.60	39.84	40.02
Short circuit current Isc(A)	9.88	9.73	9.84	9.94	10.06
Weight(KG)	19.5				
Number of cells	60				
Module Efficiency(%)	17.9%	18.2%	18.5%	18.8%	19.1%
Power Tolerance	+/-3%				

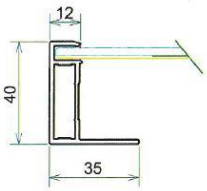
*1 STC: Irradiance level 1000 W/m^2 ; Spectral AM1.5; Temperature 25℃
*2 Power tolerance can be adjusted upon requests
*3 NOCT: 46±2℃

Mechanical Characteristics

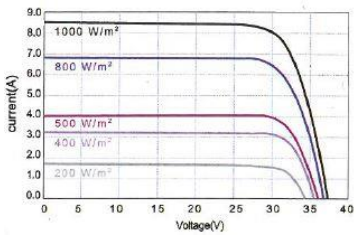
Dimensions of the Module (W×H×D)(mm)	1632X995X40
Junction Box	IP67 or above with 3 bypass diodes ; cables 1M/φ 4 mm^2
Series Fuse Rating Inside Junction Box	15A







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℃
Maximum Static Load:	Snow load 5400pa
	Wind load 2400pa

Temperature Coefficient

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

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