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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Target Solar Company  
WS240-270G6P  
WS245**

Also available on the web at  
[EnergyPal.com/target-solar-company-solar-panels/ws245](http://EnergyPal.com/target-solar-company-solar-panels/ws245)



# Target Solar Company WalSolar Industrial Corporation



## Multi-crystalline Silicon Photovoltaic Module



**WS240-270WG6P**

### Features :

- High power module using 6" multi-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	240W	245W	250W	255W	260W	265W	270W
Max power voltage $V_{mp}(V)$	29.93	30.28	30.52	30.93	31.16	31.52	31.87
Max power current $I_{mp}(A)$	8.02	8.09	8.19	8.24	8.34	8.41	8.47
Open circuit voltage $V_{oc}(V)$	37.43	37.67	37.86	38.16	38.4	38.65	38.89
Short circuit current $I_{sc}(A)$	8.55	8.67	8.8	8.91	9.03	9.14	9.26
Power Tolerance	+/-3%						
Number of cells	60						
Module Efficiency(%)	14.8	15.1	15.4	15.7	16	16.3	16.6
Dimension(MM)	1632x995x40						
Operate Temp. scope(°C)	-40 to +85						
Relative humidity	0to 100%						
Weight(Kg)	19.5						

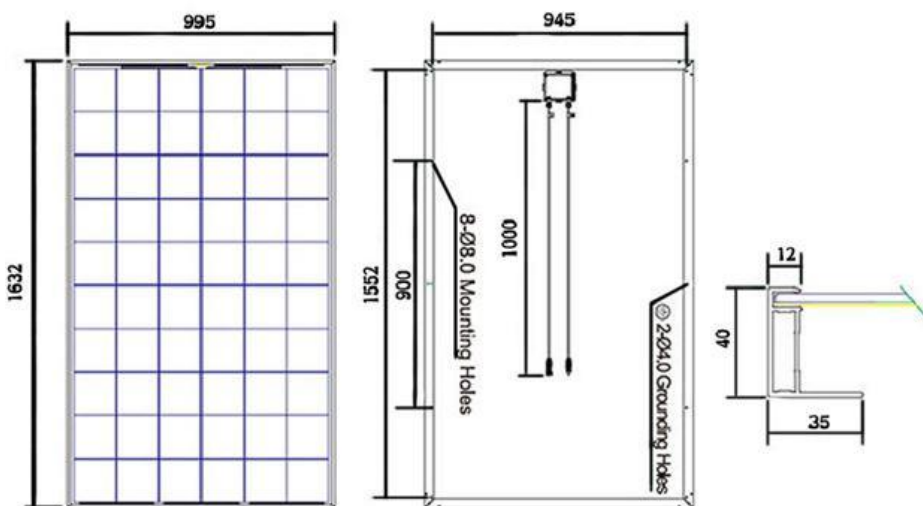
## Mechanical Characteristics

Junction box

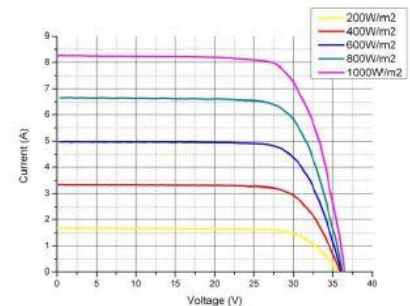
IP 65/ IP 67 or above with 3 bypass diodes ; cables 1M/φ 4mm<sup>2</sup>

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: 600V, 1000V

Operating Temperature: -40 ~ 85°C

Maximum Static Load: Snow load 5400pa

Wind load 2400pa

## Temperature Coefficient

Isc Temperature Coefficient:  $\alpha(1/^\circ C) +0.08$

Voc Temperature Coefficient:  $\beta(1/^\circ C) -0.34$

Pmax Temperature Coefficient:  $\gamma(1/^\circ C) -0.43$

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