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# **EnergyPal**

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

**Target Solar Company  
WS190-215WG6P  
WS200**

Also available on the web at  
[EnergyPal.com/target-solar-company-solar-panels/ws200](http://EnergyPal.com/target-solar-company-solar-panels/ws200)



# Target Solar Company WalSolar Industrial Corporation



## Multi-crystalline Silicon Photovoltaic Module



**WS190-215WG6P**

### 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.

NO.7-1, Ln.3, Xinhe 1st Rd., Tainan City 702, Taiwan

TEL: +886-6-2648199 FAX: +886-6-2657069

[www.target-solar.com](http://www.target-solar.com)

[info@wal-solar.com](mailto:info@wal-solar.com)

# Specifications :

Model \ Power	190W	195W	200W	205W	210W	215W
Max power voltage Vmp(V)	23.8	24.08	24.41	24.74	25.07	25.35
Max power current Imp(A)	7.98	8.1	8.19	8.29	8.38	8.48
Open circuit voltage Voc(V)	29.85	30.04	30.28	30.53	30.82	31.02
Short circuit current Isc(A)	8.49	8.66	8.81	8.95	9.09	9.24
Weight(KG)	16.5					
Number of cells	48					
Module Efficiency(%)	14.5	14.9	15.3	15.7	16	16.4
Dimension(MM)	1316x995x40					
Power Tolerance*2	+/-3%					

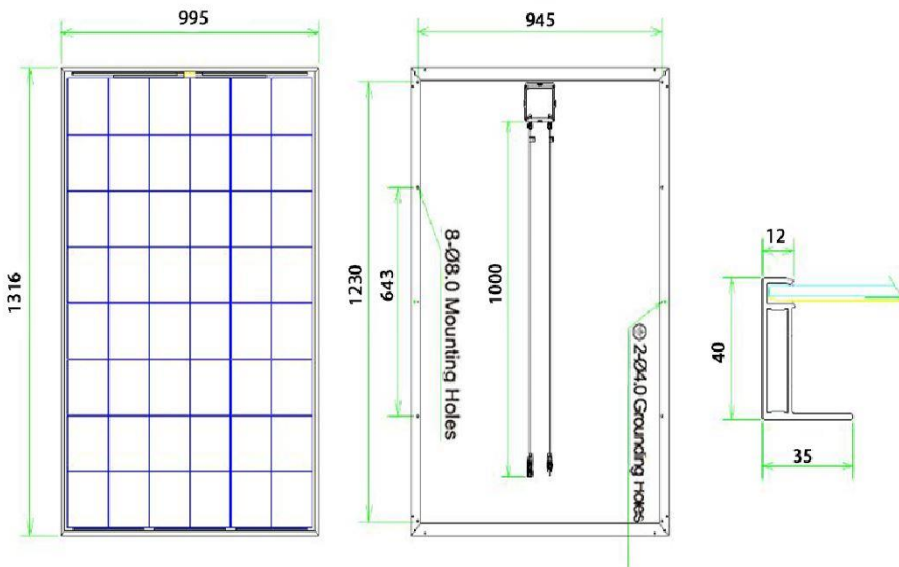
\*1 STC: Irradiance level 1000 W/m<sup>2</sup>; Spectral AM1.5; Temperature 25°C

\*2 Power tolerance can be adjusted upon requests

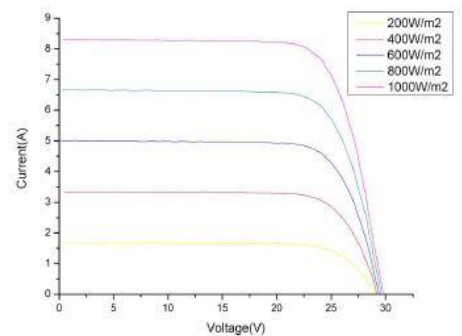
\*3 NOCT: 46±2°C

## Mechanical Characteristics

Junction box IP 65 / 67 with 3 bypass diodes ; cables 1M/φ 4mm<sup>2</sup>  
 Series fuse rating Inside Junction Box 15A



## IV Curve



### 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:  $\alpha$ (%/°C) +0.08  
 Voc Temperature Coefficient:  $\beta$ (%/°C) -0.34  
 Pmax Temperature Coefficient:  $\gamma$ (%/°C) -0.43

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