

250 WATT Polycrystalline Silicon Module

DAQO SGN PERSEN

Vertical Integration

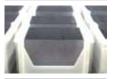
Vertical integration and economy of scale make DAQO a secured supply, stable quality, and cost competitive solution.



Polysilicon 7300 MT capacity



Ingot 250 MW capacity



Wafer 250 MW capacity

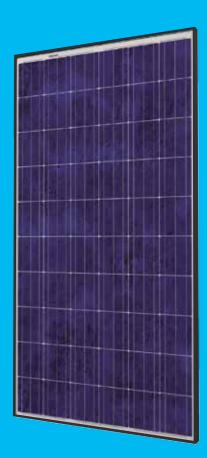
Cell 250 MW capacity



Solar Module 250 MW capacity

 (ϵ)

PV CYCLE



Production

- Full vertically integrated production line from polysilicon, ingot, wafer, cells to panels
- Leading polysilicon producer of 9N Grade
- German designed automatic production line for solar cells

Products

- > Clean Energy Council approved
- > PID Free (TUV)
- > Positive power tolerance (0-3 %)
- > Excellent performance under low light environment
- > All modules are double EL tested for superior quality control
- Mechanical resistance to withstand snow load (up to 5400 Pa)
- Compliant with IEC 61215 and IEC 61730
- Certified by TUV and UL/CUL
 Flash report and embedded bar
- > code ID for complete traceability

About DAQO

- > NYSE listed company
- > Belongs to DAQO Group with a 48-year history in electronics manufacturing
- > Heavily diversified in renewable energy, electric, environmental protection and transportation
- 7 joint ventures, partnering with Siemens, Moeller, Eaton, Secheron, NKT
- > State-level enterprise technical center
- Chinese electrical industry leading enterprise
- Chinese machinery industry top 100 enterprise
- National postdoctoral scientific research workstation



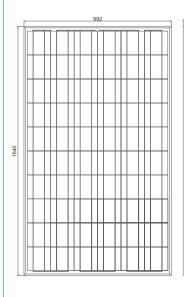
Phot

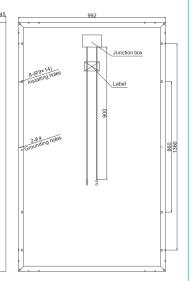
LABORATOR



Long life. Built to last.

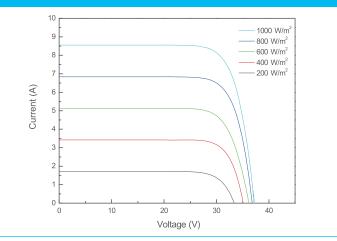
Dimensions





All measurements in mm

I-V Curves of PV Module



Maximum Ratings

| Operating Temperature: | -40+85 °C |
|-------------------------|----------------------------|
| Storage Temperature: | -20+40 °C |
| Maximum System Voltage: | TUV 1000V DC UL 600V DC |

Electrical Characteristics

| Module efficiency: | 15.5 % |
|------------------------------|---------------|
| Cell efficiency: | 17.6 % |
| Rated Maximum Power (Pmax): | 250 W |
| Current at Pmax (Imp): | 8.20 A |
| Voltage at Pmax (Vmp): | 30.5 W |
| Short-Circuit Current (Isc): | 8.72 A |
| Open-Circuit Voltage (Voc): | 37.2 W |

Temperature Characteristics

| Nominal Operating Cell Temperature (NOCT): | 45±2 °C |
|--|-----------|
| Power Temperature Coefficient: | -0.44 %/K |
| Open-Circuit Voltage Temperature Coefficient: | -0.33 %/K |
| Short-Circuit Current Temperature Coefficient: | 0.06 %/K |

Mechanical Specifications

| Cell Type: | 156 x 156 mm Poly-crystalline |
|---------------------|---|
| Cell Configuration: | 60 (6 x 10) PCS in series |
| Dimensions: | 1640 x 992 x 45 mm |
| Weight: | 19 kg |
| Front Glass: | 3.2 mm, high transmission, low iron, tempered glass |
| Junction Box: | IP65 rated |
| Cables: | 4.0 mm², 900 mm long, genuine MC4 connectors |
| Frame: | Black anodised aluminium |

Packing Configuration

| Packing Configuration: | 23 pcs / Pallet |
|------------------------|-----------------|
| Loading Capacity: | 644 pcs / 40 ft |

All Technical Data at STC: AM1.5 E=1000 W/m² Tc=25 °C

