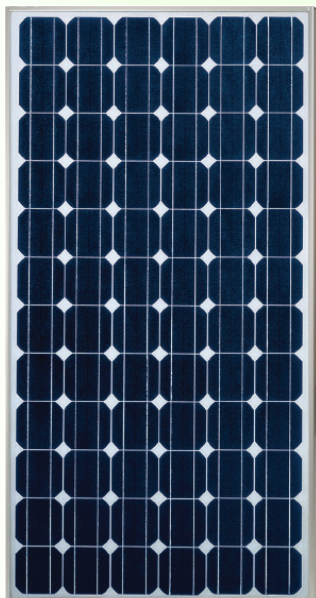**CA Solar LLC**

Monocrystalline Solar Modules

Best value choice to reach Grid Parity and get best return for your investment

We support quality, performance, reliability in your region

Features

- High reliability
- Rigorously Tested
- Meeting the highest safety standard
- Robust design, long lasting with approved technology and performance
- Technical support across US and Canada
- Local services providing customers peace of mind
- 5-year mechanical and workmanship warranty
- 10-year and 25-year power output performance warranty
- CEC listed, UL, cUL certified.
- Multi-purpose for residential and commercial applications
- Fully bankable

MS-180M

MS-175M

MS-170M

MS-165M

CA Solar

Monocrystalline Solar Modules: MS-180M, MS-175M, MS170M, MS-165M

ELECTRICAL CHARACTERISTICS

Model No.	MS-180M	MS-175M	MS-170M	MS-165M
Maximum Power (Pmax)*	180 W	175 W	170 W	165 W
Rated Voltage (Vmp)	37 V	36.6 V	35.8V	35.8 V
Rated Current (Imp)	4.86 A	4.80 A	4.75 A	4.62 A
Open Circuit Voltage (Voc)	45.4 V	44.9 V	44.2 V	44.5 V
Short Circuit Current (Isc)	5.23 A	5.15 A	5.05 A	5.04 A
CEC Module Efficiency (%)	14.1%	13.7%	13.3%	12.9%
Type of Cell	125x125 mm monocrystalline cell			
Cell Configuration	6 x 12 in series			
Tolerance of Pmax	+/- 3%			
Maximum System (DC) Voltage	1000 (IEC) / 600 (UL)			
Series Fuse Rating	10			
NOCT	45.8 +/- 2 °C			
Temperature Coefficient (Pmax)	-0.53%/°C			
Temperature Coefficient (Vmp)	-0.51%/°C			
Temperature Coefficient (Imp)	-0.018%/°C			

*Measured at STC: Irradiance 1000W/m², cell temperature 25 °C, AM = 1.5
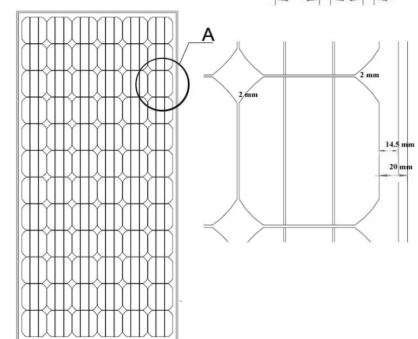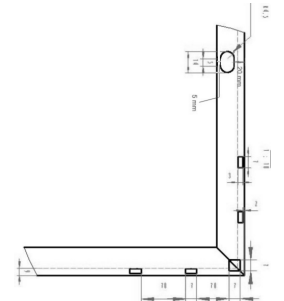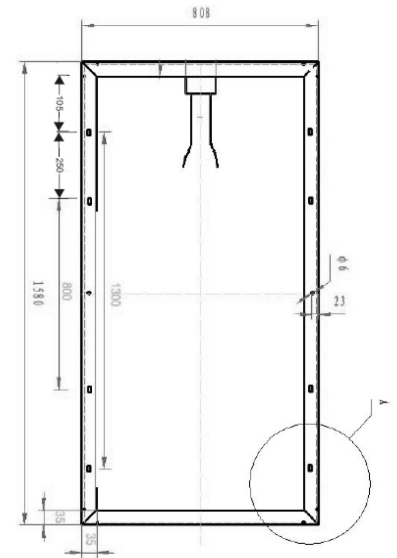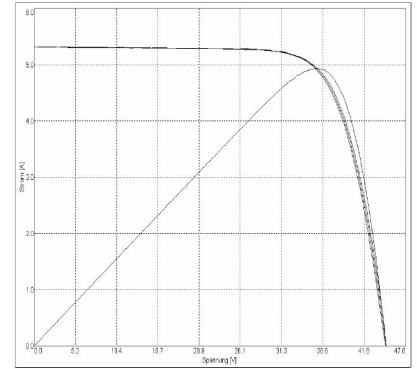
MECHANICAL CHARACTERISTICS

Dimensions	1580x808x35mm (62.2"x31.8"x1.38")
Cable Length	900 mm (35")
Output Interconnect Cable	12 AWG, MC type-4
Front Glass	White tempered glass, 3.2mm (1/8")
Frame	Anodized aluminum
Cell encapsulation	EVA
Back	Composite film
Weight	15 kg (33 lbs)
Max Load	2,400 Pascals per IEC61215
Impact Resistance	Hail diameter 25mm (1") at 23 m/s (52 mph)

QUALIFICATIONS

CEC listed; UL, cUL (file No. E332154) Certified

Fire Rating Class C

ISO9001:2000 quality management system certification

CA Solar