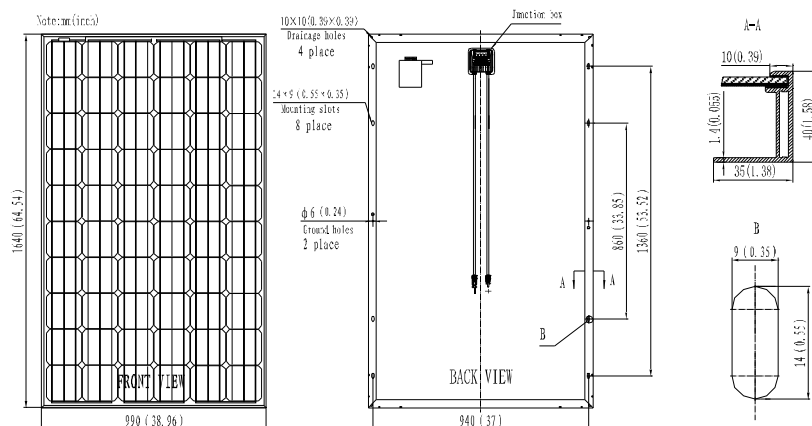


Specifications of CSUN 280-60M Solar Module (4035)

Module Type	CSUN 280-60M	CSUN 275-60M	CSUN 270-60M	CSUN 265-60M	CSUN 260-60M
Electrical characteristics at Standard Test Conditions(STC)					
Pmpp [W]	280	275	270	265	260
Voc [V]	38.7	38.5	38.3	38.2	38.1
Isc [A]	9.21	9.13	9.07	8.98	8.90
Vmpp [V]	31.5	31.3	31.2	31.0	30.8
Impp [A]	8.89	8.79	8.65	8.55	8.44
Practical Module Efficiency	19.53%	18.68%	18.83%	18.48%	18.13%
Module Efficiency	17.24%	16.93%	16.63%	16.32%	16.01%
Electrical Characteristics at Normal Operating Cell Temperature(NOCT)					
Pmpp [W]	205	202	198	195	192
Voc [V]	35.7	35.5	35.3	35.2	35.1
Isc [A]	7.51	7.42	7.36	7.28	7.19
Vmpp [V]	29.2	29.0	28.8	28.6	28.4
Impp [A]	7.02	6.96	6.88	6.82	6.76
Temperature Characteristics			Maximum Ratings		
Normal Operating Cell Temperature	45°C (±2°C)		Maximum System Voltage [V]	1000	
Voltage Temperature Coefficient	-0.307%/K		Series Fuse Rating [A]	20	
Current Temperature Coefficient	+0.039%/K				
Power Temperature Coefficient	-0.423%/K				
Material Characteristics					
Junction Box	Rated current ≧ 13A, IP ≧ 67, TUV&UL		Cable	Length 900 mm, 1×4 mm ²	
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)		Back Sheet	Composite film	
Front Glass	White toughened safety glass, 3.2 mm		Frame	Anodized aluminum profile	
Cells	6×10 pieces monocrystalline solar cells series strings (156mm×156mm)				
Other Characteristics					
Dimensions	1640×990×40mm (L×W×H)		Weight	18.6kg	
Maximum Surface Load Capacity	5,400 Pa		Temperature Range	-40 °C to +85 °C	
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹				

Dimensions



Note:

- Standard Test Conditions [STC]: irradiance 1,000 W/m²; AM 1.5; cell temperature 25°C. Normal Operating Cell Temperature (NOCT): irradiance 800W/m²; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C.
- Tolerance of Pmpp: 0~+3%, Measuring uncertainty of power: ±3%. Performance deviation of Voc[V], Isc[A], Vmpp [V] and Impp [A]: ±10%.
- Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

I-V Curves

