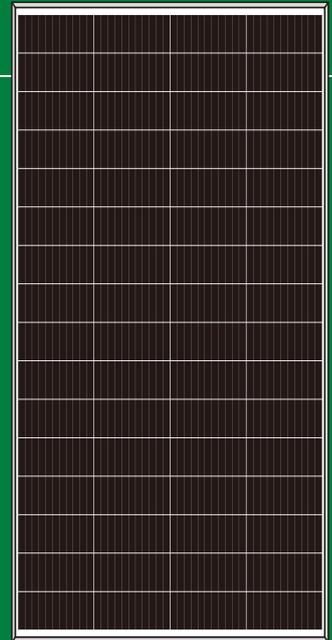
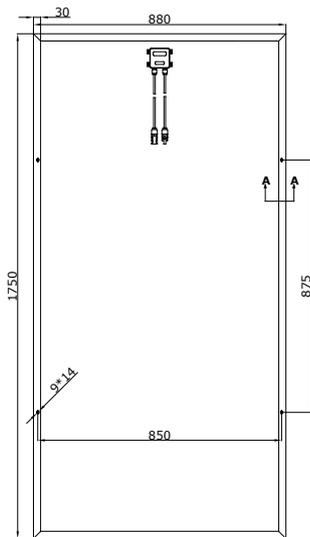


Electrical Characteristics	CL300M
Maximum power (Pmax)	310W
Voltage at Pmax (Vmp)	35.60V
Current at Pmax (Imp)	8.43A
Open-circuit voltage (Voc)	42.60V
Short-circuit current (Isc)	9.03A
Temperature coefficient of Voc	$-(0.40 \pm 0.05)\% / ^\circ\text{C}$
Temperature coefficient of Isc	$(0.065 \pm 0.01)\% / ^\circ\text{C}$
Temperature coefficient of power	$-(0.5 \pm 0.05)\% / ^\circ\text{C}$
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	600V DC
Power tolerance	± 3%
Cells	monocrystalline silicon solar cell
No. of cells and connections	64(4 x 16)
Module Dimension	1750mm[68.90in.]x880mm[34.65in.]x35mm[1.38in.]
Weight	16.1kg[35.42lbs]

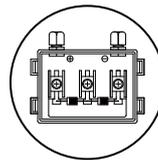
\* STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C  
 \* Specifications are subject to change without notice at any time.



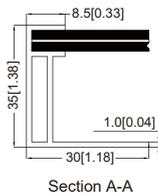
### Module Diagram



Dimensions in brackets are in inches.  
 Un-bracketed dimensions are in millimeters.  
 Unit: mm[in.]



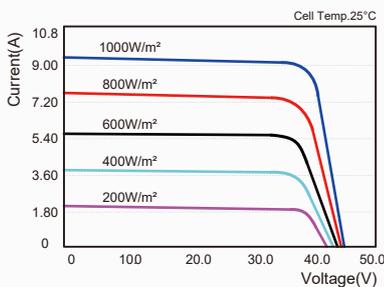
Junction Box  
 Top View (Lid open)



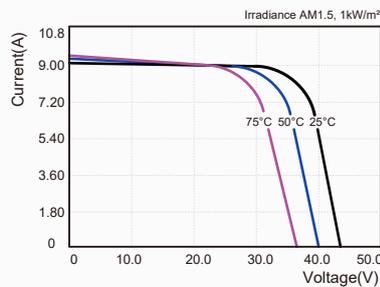
Section A-A

### I-V Curves

I-V Curves of PV module CL300M



I-V Curves of PV module CL310M at various cell temperatures



### Key Features:

- High module efficiency and stable power output
- Based on leading process technology
- Outstanding electrical performance under high temperature conditions or low irradiance conditions
- Easy of installation and all-weather applications
- 5 years product warranty (materials and workmanship)
- 20 years module power output warranty
- Peak power of single module is guaranteed in ±3% power tolerance
- Strong framed module
- The manufacture is certified for ISO 9001:2015

### Product's Guarantee

- 5 years products life warranty
- 15 years module power output no less 90%
- 20 years module power output no less 80%

### Applications

- Off grid residential roof-tops
- Off grid commercial/industrial roof-tops
- Rural area applications
- Solar power system
- Other off-grid applications