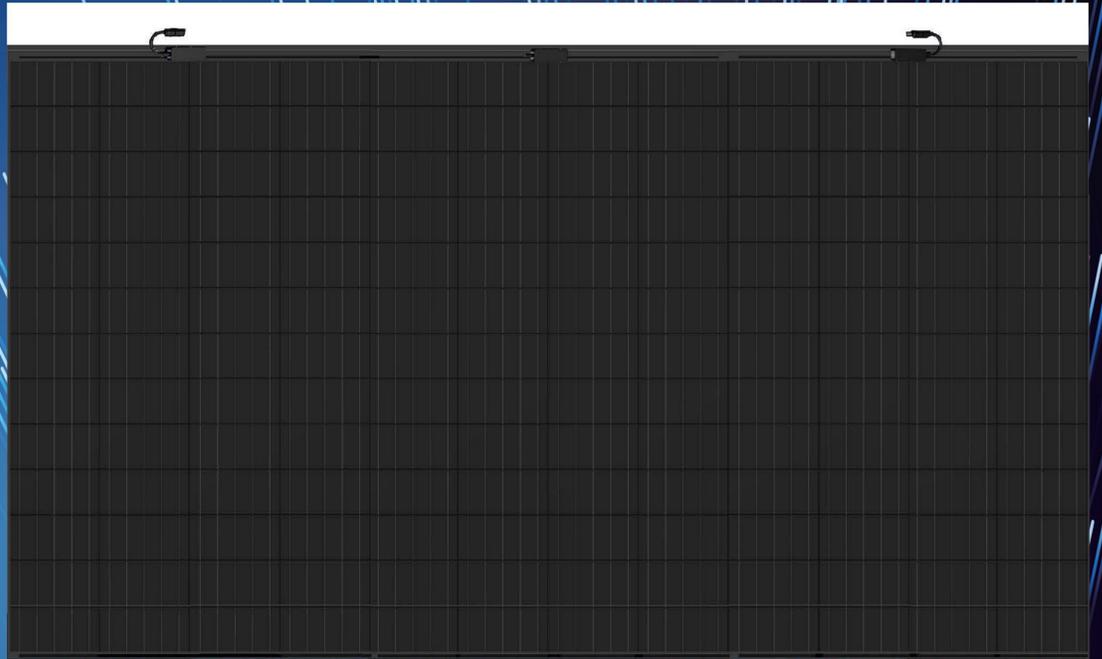


## G1- Mono Flexible PV Module

156 Half Cells



10 years Product warranty



25 years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964

**410-420W** /Output power

**18.9%** /Maximum efficiency

**0~+5W** /Power tolerance



### PID Resistant Guarantee

Strict selection of encapsulation materials eliminates PID risk.



### Severe Weather Resilience

Withstand outdoor ultraviolet irradiation, high and low temperature changes, stable output efficiency



### Soft and light

Flexible photovoltaic modules have extremely low weight, bending characteristics, easy installation, high space utilization, and adapt to the needs of multiple scenarios.



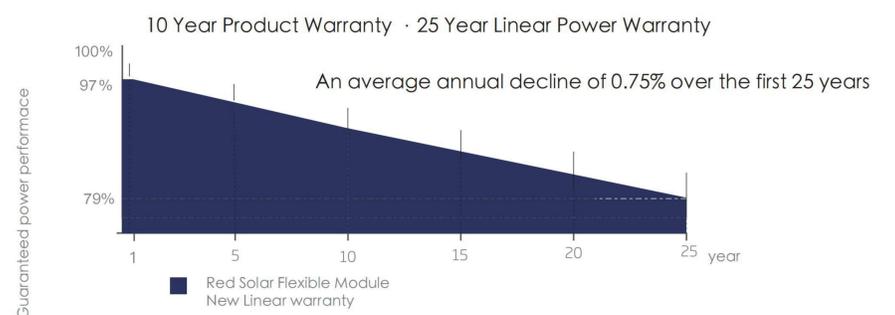
### Multi Busbar Technology

Better light utilization and current collection ability, effectively improve the power output and reliability.

#### Comprehensive product certification

- IEC TS 62941 (PV quality Management System)
- ISO9001:2015 (Quality Management System)
- ISO14001 (Environmental Management System)
- OHSAS18001 (Occupational Health and Safety Management System)

#### Excellent Power Guarantee



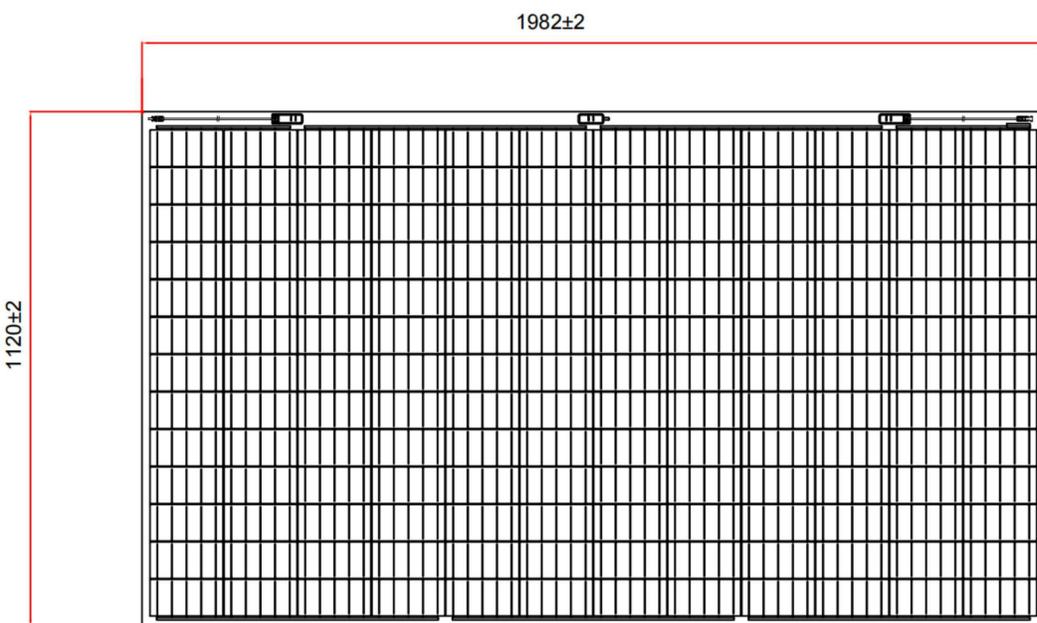
### Model of PV Module

CETC-xxxM(LB)/156

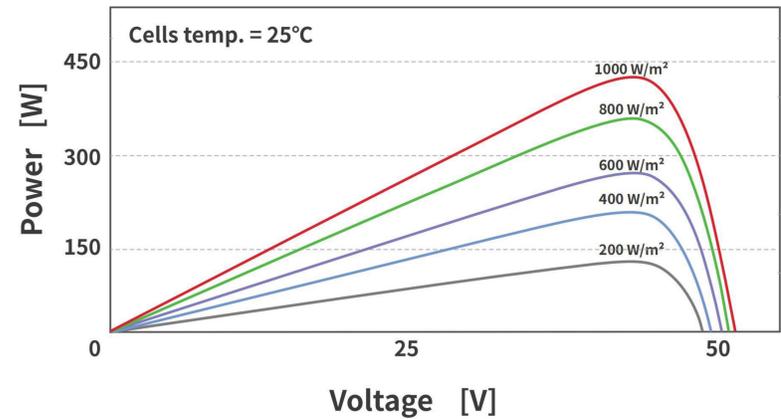
### Power Range

410-420W

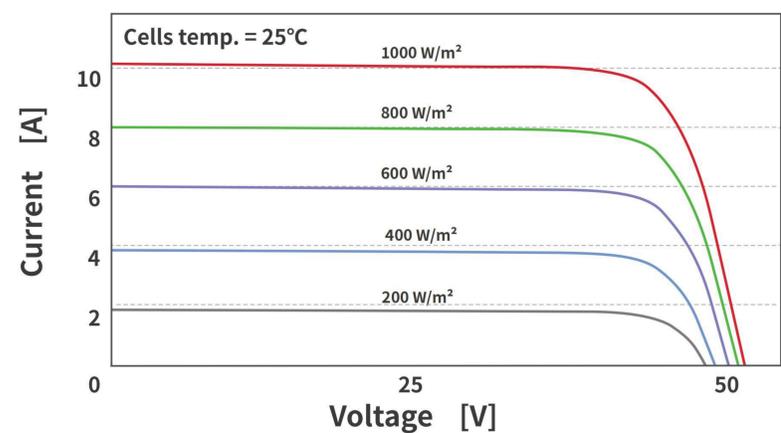
PV module dimensions (mm)



### P-V Curves of PV Module



### I-V Curves of PV Module



### Electrical Parameter(STC)

Model	410M	415M	420M
Maximum power (W)	410	415	420
Working point voltage (V)	43.40	43.55	43.7
Working point current (A)	9.45	9.53	9.6
Open circuit voltage (V)	51.30	51.45	51.6
Short circuit current (A)	10.40	10.45	10.50
PV module efficiency	18.47%	18.70%	18.92%
Standard test conditions	Atmospheric quality Am1.5, Irradiance 1000w/m², Cell Temperature 25°C		

Model	410M	415M	420M
Maximum power (W)	305.04	308.76	312.48
Working point voltage (V)	41.55	41.89	42.17
Working point current (A)	7.34	7.37	7.41
Open circuit voltage (V)	49.88	50.30	50.64
Short circuit current (A)	7.74	7.77	7.81

**NOCT conditions** The irradiance is 800w/m², the ambient temperature is 20 degrees, and the wind speed is 1m/s

### Mechanical Parameters

Module size	1982*1120*18.8mmm
Number of solar cells	156Cells(12*13)
Weight	8.2Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm², 300mm, (Customizable)
Front plate	High light transmittance flexible polymer material
Frame	no frame
Colour	white or black

### Temperature Parameter

NMOT	45±2°C
Temperature coefficient of maximum power(Pmax)	-0.35%/°C
Temperature coefficient of open circuit voltage(Voc)	-0.30%/°C
Temperature coefficient of short circuit current(Isc)	+0.05%/°C

### Packaging&Transport

40'HQ container transport	48 Pcs/box × 24 box = 1152 Pcs
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### Maximum Ratings

Working temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

