

## M10-MBB Mono Flexible PV Module

144 Half Cells



10 years Product warranty



25 years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964



### 520W

/Output power



#### PID Resistant Guarantee

Strict selection of encapsulation materials eliminates PID risk.

### 19.3%

/Maximum efficiency



#### Severe Weather Resilience

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

### 0~+5W

/Power tolerance



#### 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.



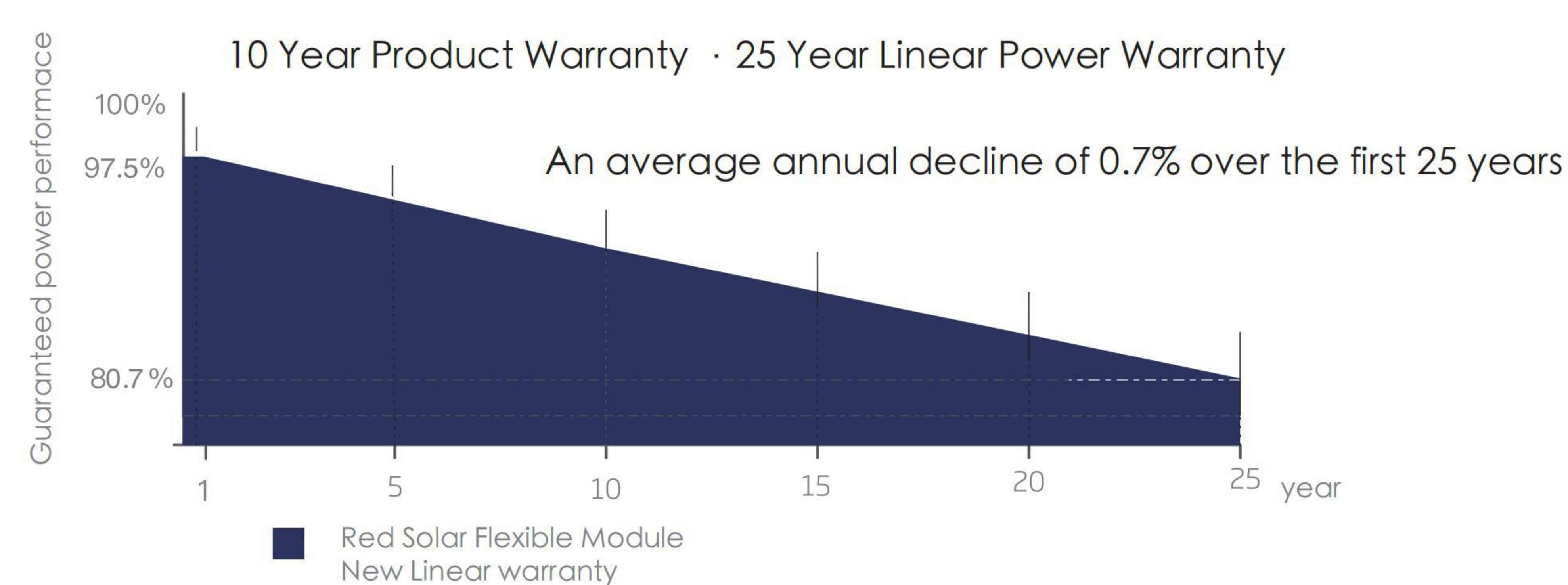
#### Multi Busbar Technology

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

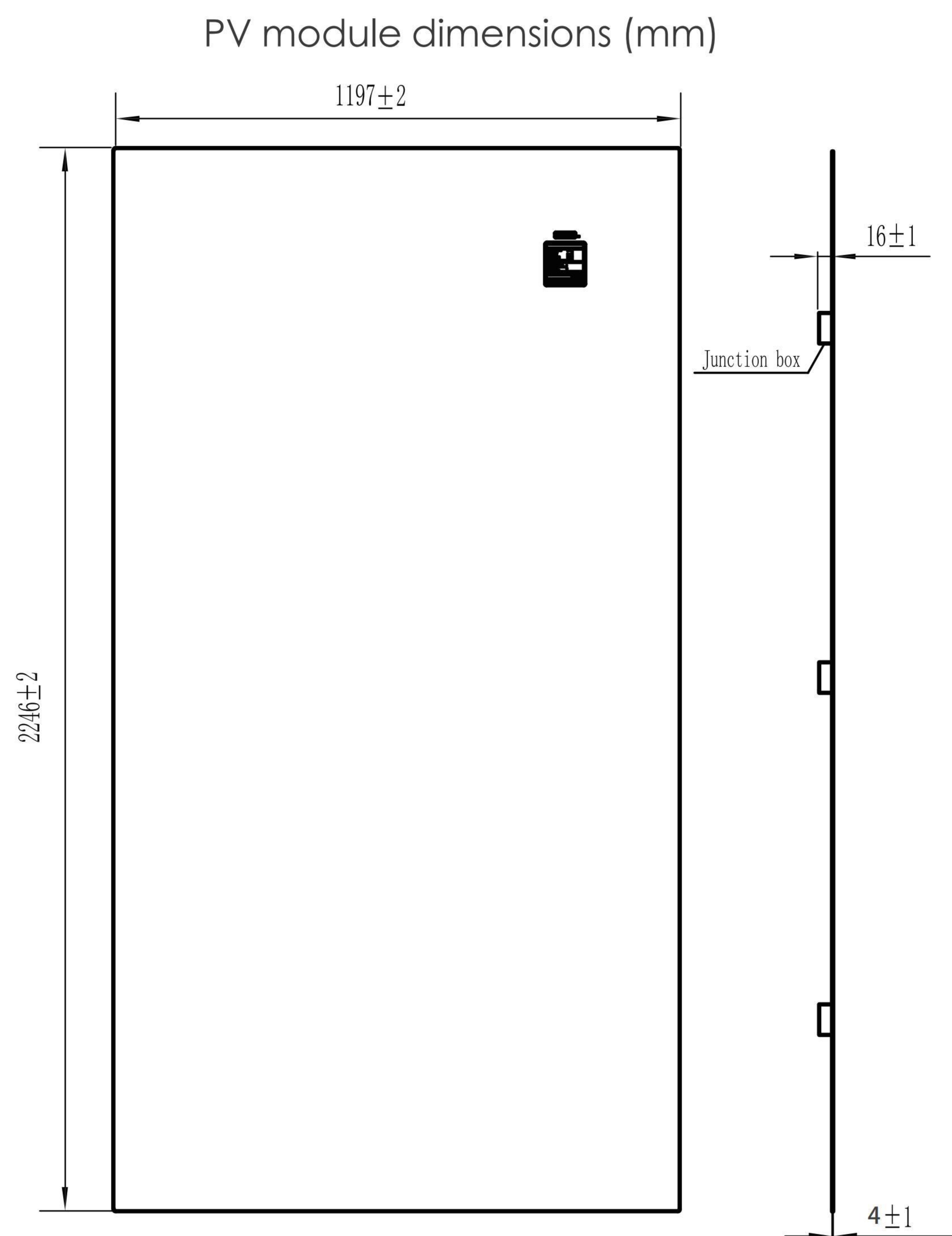


### Model of PV Module

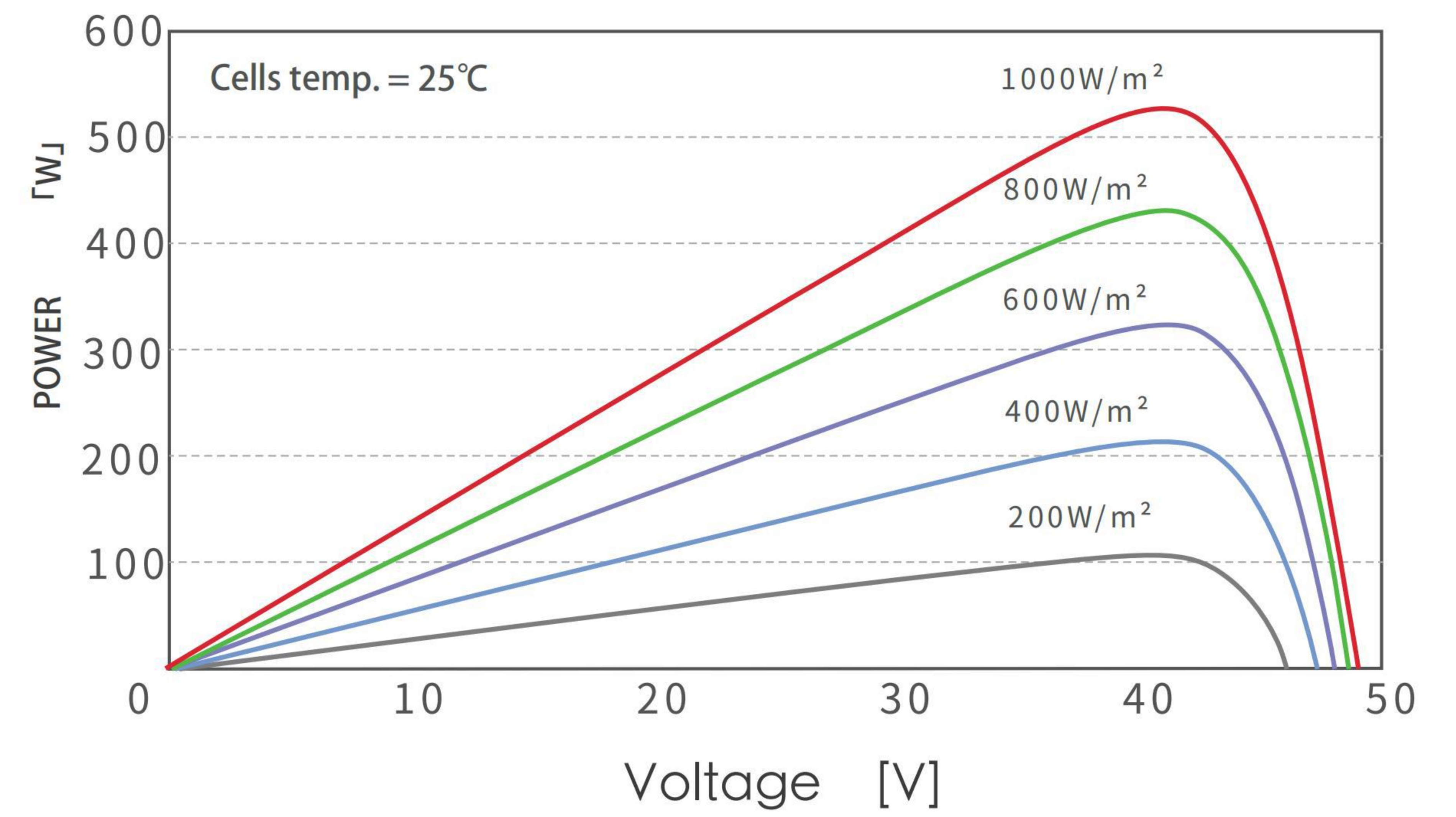
CETC-xxxM(LB)/144

### Power Range

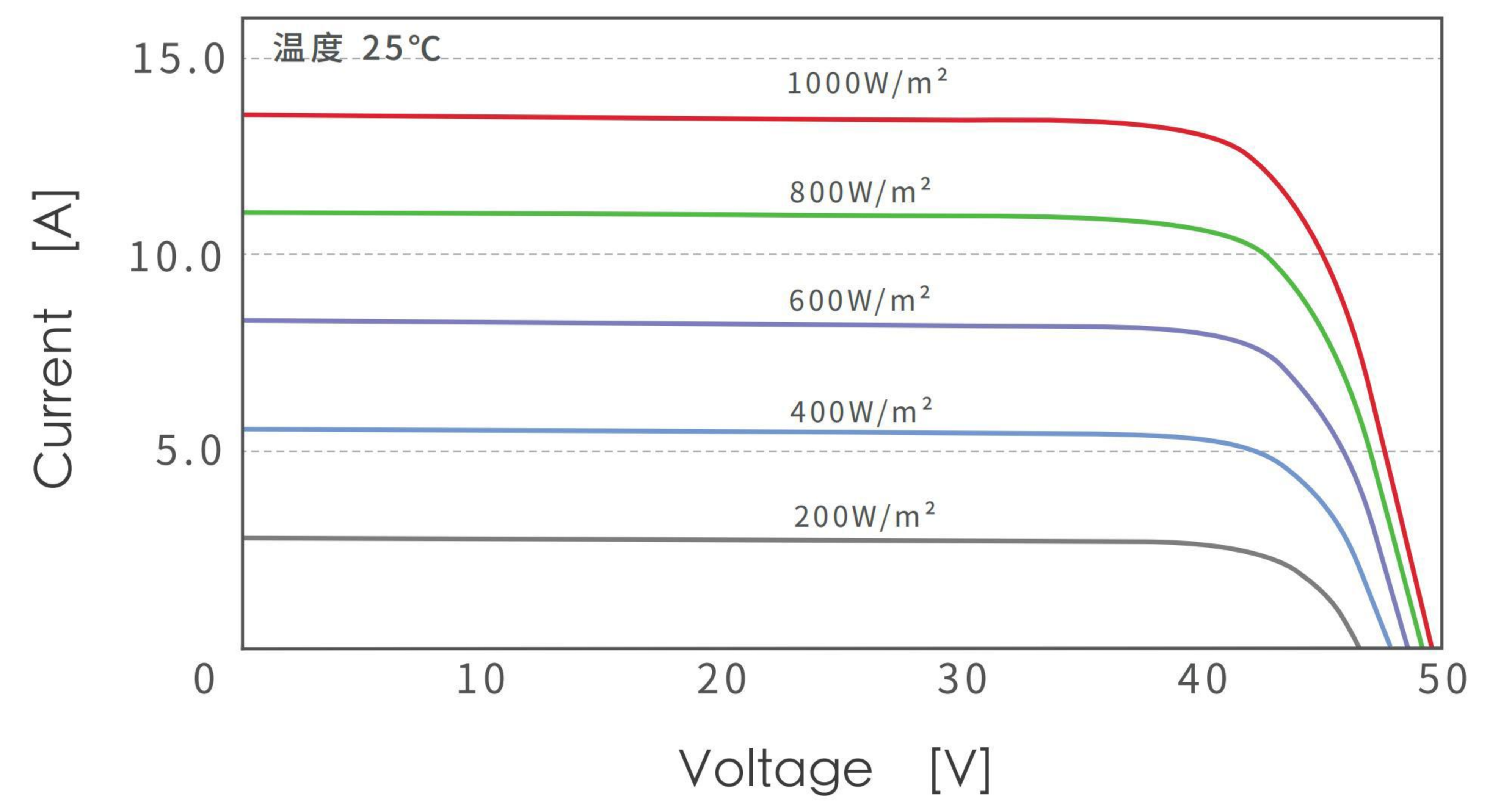
520W



### P-V Curves of PV Module



### I-V Curves of PV Module



### Electrical Parameter(STC)

Model	520M
Maximum power (W)	520
Working point voltage (V)	42.3
Working point current (A)	12.31
Open circuit voltage (V)	49.5
Short circuit current (A)	13.56
PV module efficiency	19.3%
Standard test conditions	Atmospheric quality Am1.5, Irradiance 1000w/m <sup>2</sup> , Cell Temperature 25°C

### Electrical Parameter(NMOT)

Model	520M
Maximum power (W)	387
Working point voltage (V)	37.18
Working point current (A)	10.41
Open circuit voltage (V)	45.4
Short circuit current (A)	10.98

**NMOT conditions** The irradiance is 800w/m<sup>2</sup>, the ambient temperature is 20 degrees, and the wind speed is 1m/s

### Mechanical Parameters

Module size	2246*1197*4mm
Number of solar cells	144Cells (2*6*12)
Weight	8Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm <sup>2</sup> , 450mm, (Customizable)
Front plate	High light transmittance flexible polymer material
Frame	no frame
Colour	white or black

### Packaging&Transport

40'HQ container transport 50 Pcs/box × 20 box = 1000 Pcs

### Temperature Parameter Maximum Ratings

NMOT	45±2°C	Working temperature	-40+85°C
Temperature coefficient of maximum power(Pmax)	-0.38%/°C	Maximum system voltage	1000/1500VDC
Temperature coefficient of open circuit voltage(Voc)	-0.36%/°C	Maximum fuse rated current	25A
Temperature coefficient of short circuit current(Isc)	+0.07%/°C		

