

EPLXXX-72M10  
515-530W  
EPL Series Lightweight Flexible Solar Modules

## Features



### Light and Thin

Ultra-lightweight and thin design for various low-load required installation scenarios.



### Flexible

Ultra-flexible performance by advanced processing and organic polymer encapsulation materials suitable for curved surface installation perfectly.



### High efficiency

With latest solar cells technology achieving highest efficiencies up to 22.8% 95% light transparency of front film ensures excellent conversion on light to electricity.



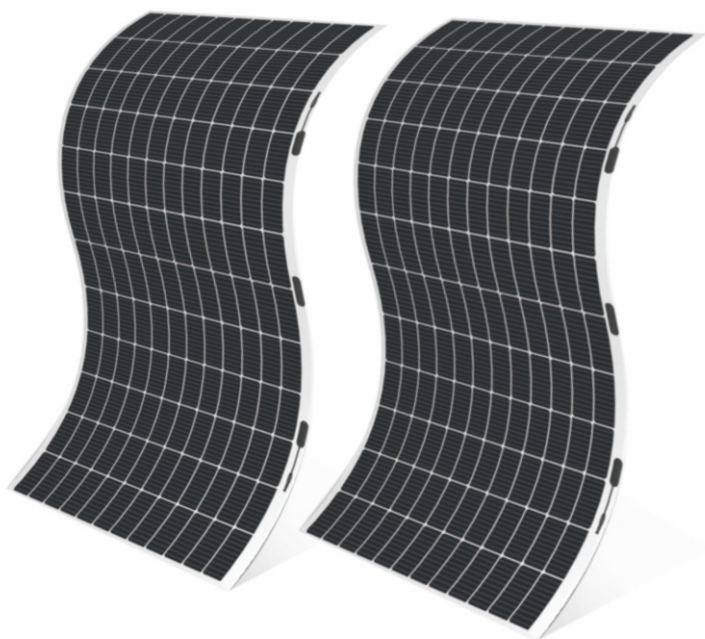
### Impact Resistance

By enhanced resin-fiber interface technology for static load resistance up to 5400 pa.



### Fire-resistance

With Nano-hybrid modification and surface fire-resistance treatment technology able to stand collapse or spread sparks in mild fire scenarios.



## Application Scenarios

Designed for C&I rooftops, especially for metal roofs and curved surfaces with structural load limitations.

# EPLXXX-72M10 515-530W

## ✓ ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC)

Specification/Model	Unit	EPL515-72M10	EPL520-72M10	EPL525-72M10	EPL530-72M10
Maximum Power(Pm)	W	515	520	525	530
Power Tolerance	W		0~+5W		
Optimum Operating Voltage(Vm)	V	42.19	42.34	42.49	42.64
Optimum Operating Current(Im)	A	12.22	12.30	12.37	12.44
Open Circuit Voltage(Voc)	V	50.00	50.20	50.40	50.60
Short Circuit Current(Isc)	A	13.17	13.24	13.31	13.38
Module Efficiency	%	19.3	19.5	19.7	19.9

STC:AM=1.5,irradiance1000W/m<sup>2</sup>, ambient temperature25°C

## ✓ ELECTRICAL CHARACTERISTICS AT NMOT CONDITIONS

Specification/Model	Unit	EPL515-72M10	EPL520-72M10	EPL525-72M10	EPL530-72M10
Maximum Power(Pm)	W	389	393	397	410
Optimum Operating Voltage(Vm)	V	37.27	37.43	37.56	37.71
Optimum Operating Current(Im)	A	10.45	10.51	10.58	10.63
Open Circuit Voltage(Voc)	V	45.10	45.30	45.50	45.70
Short Circuit Current(Isc)	A	10.85	10.89	10.93	10.96
Certified	TÜV				

NMOT:irradiance 800W/m<sup>2</sup>, ambient temperature20°C, wind speed1m/s

## ✓ TEMPERATURE COEFFICIENT

Nominal Module Operating Temperature(NMOT)	41±2°C
Temperature Coefficient of Power	-0.36%/°C
Temperature Coefficient of Voltage	-0.26%/°C
Temperature Coefficient of Current	-0.04%/°C

## ✓ OPERATING CONDITIONS

Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	20A
Operating Temperature Range	-40°C~+85°C

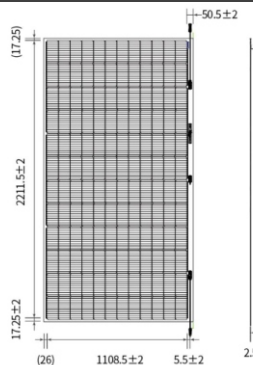
## ✓ MECHANICAL CHARACTERISTICS

Dimensions(L×W×H)	2246mm×1185mm×2.5mm (without junction box)
Weight	7.9kg
Cell	P-Type
Encapsulant Material	EVA/POE
Backsheet Type	Backsheet(White)
Frame Material	Frameless
Connector Type	MC4-Compatible
Junction Box IP Rating	IP68
Cable Specification	4mm <sup>2</sup> ,400mm Or customized by customers
Bending Radius	0.5m
Weight per Unit Area	2.97kg/m <sup>2</sup>
Power per Unit Area	189.7~201.0W/m <sup>2</sup>

## ✓ PACKAGING & TRANSPORTATION

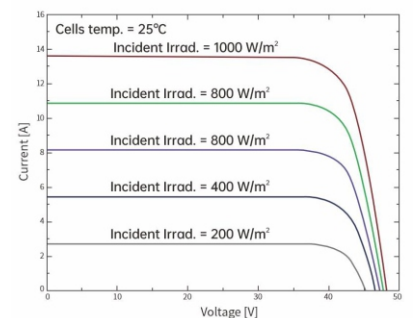
Transport Mode	Qty per Container	Qty per Pallet
20'GP	350pcs	70pcs
40'HQ	700pcs	70pcs

## ✓ MODULE SIZE

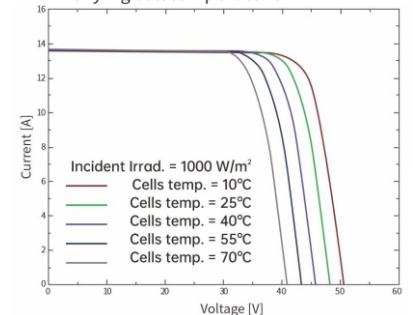


## ✓ I-V CURVE

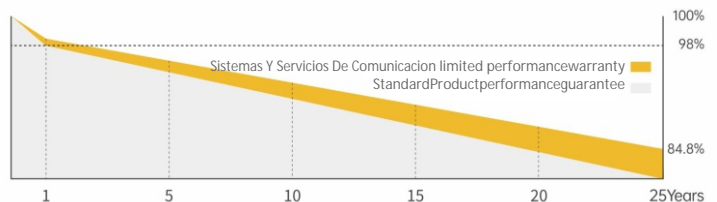
Current-voltage characteristics at varying irradiance



Current-voltage characteristics at varying cell temperature



## ✓ PERFORMANCE WARRANTY



12Yrs  
QUALITY

25Yrs  
POWER

※ The power output shall not be less than 98% of the minimum output power specified in the product datasheet during the first year from the date the system is installed and operating normally;  
 ※ Annual degradation ≤0.55% thereafter;  
 ※ ≥84.8% by year 25, based on the minimum output specified in the datasheet.