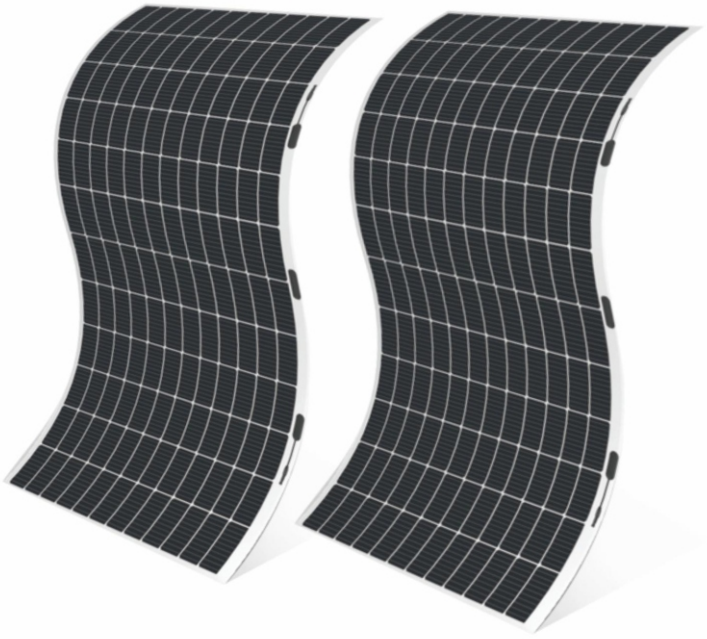
epcom® POWER LINE

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 CHARACTERISTICA 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/m², ambient temperature25℃

ELECTRICAL CHARACTERISTICA 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/m², ambient temperature20℃, wind speed1m/s

TEMPERATURE COEFFICIENT

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

OPERATING CONDITIONS

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

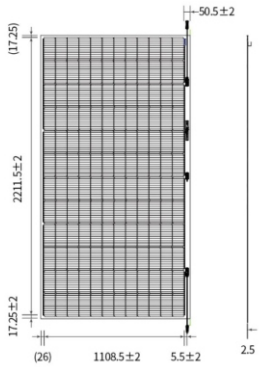
MECHANICAL CHARACTERISTICS

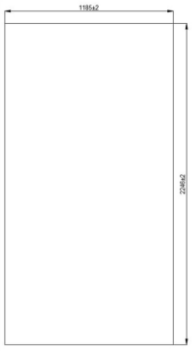
Dimensions(L×W×H)	2246mm×1185mm×2.5mm (without junction box)
Weight	7.9kg
Cell	P-Type
Encapsulant Material	EVA/POE
Backsheet Type	Backsheet(White)
Frame Material	Frameless
Connector Type	MC4-Compatible
Junction Box IP Rating	IP68
Cable Specification	4mm², 400mm Or customized by customers
Bending Radius	0.5m
Weight per Unit Area	2.97kg/m²
Power per Unit Area	189.7~201.0W/m²

PACKAGING & TRANSPORTATION

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

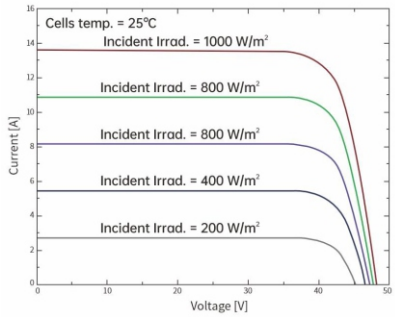
MODULE SIZE



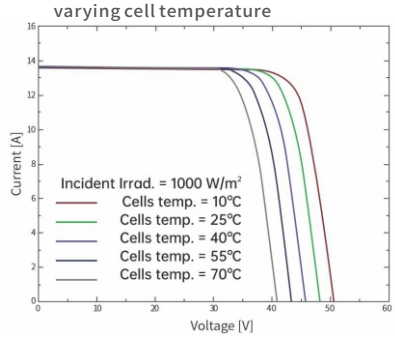


I-V CURVE

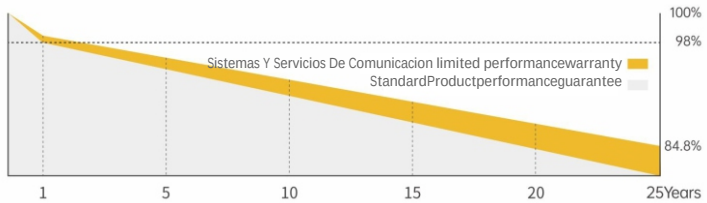
Current-voltage characteristics at varying irradiance



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 yeat 25,based on the minimum output specified in the datasheet.