PEROVSKITE MODULE

ECO DELTA

BIPV Transparent Module

ECO-M072TG-***

Building-integrated aesthetics

APPlication scenario

Curtain wall I Greenhouse I Skylight

☆Sound insulation☆Wind and water resistance☆Thermal insulation

Lower factory
carbon emissions

Superior low-light power generation performance
Outstanding shading tolerance

Widely applicable in distributed commercial
rooftops and ground-mounted power stations

Enhanced anti-PID performance
Hotspot-free performance
Microcrack-free guarantee

TÜV CQC c UL us LISTED SGS JP-AC

PRODUCT

Transmittance	20%	30%	40%	50%

ELECTRICAL DATA @ STC

Maximum Power (Pmax /W)	95	80	70	60
Module Efficiency /%	13.2	11.1	9.7	8.3
Voltage at Maximum Power (Vmpp/V)	86.6	85.0	85.9	87.1
Current at Maximum Power (Impp/A)	1.10	0.94	0.82	0.69
Open Circuit Voltage (Voc /V)	101.8	99.9	100.9	102.3
Short Circuit Current (Isc /A)	1.21	1.04	0.90	0.76

*STC (Standard Test Condition): Irradiance 1000W/ ㎡ , Module Temperature 25°C, AM 1.5

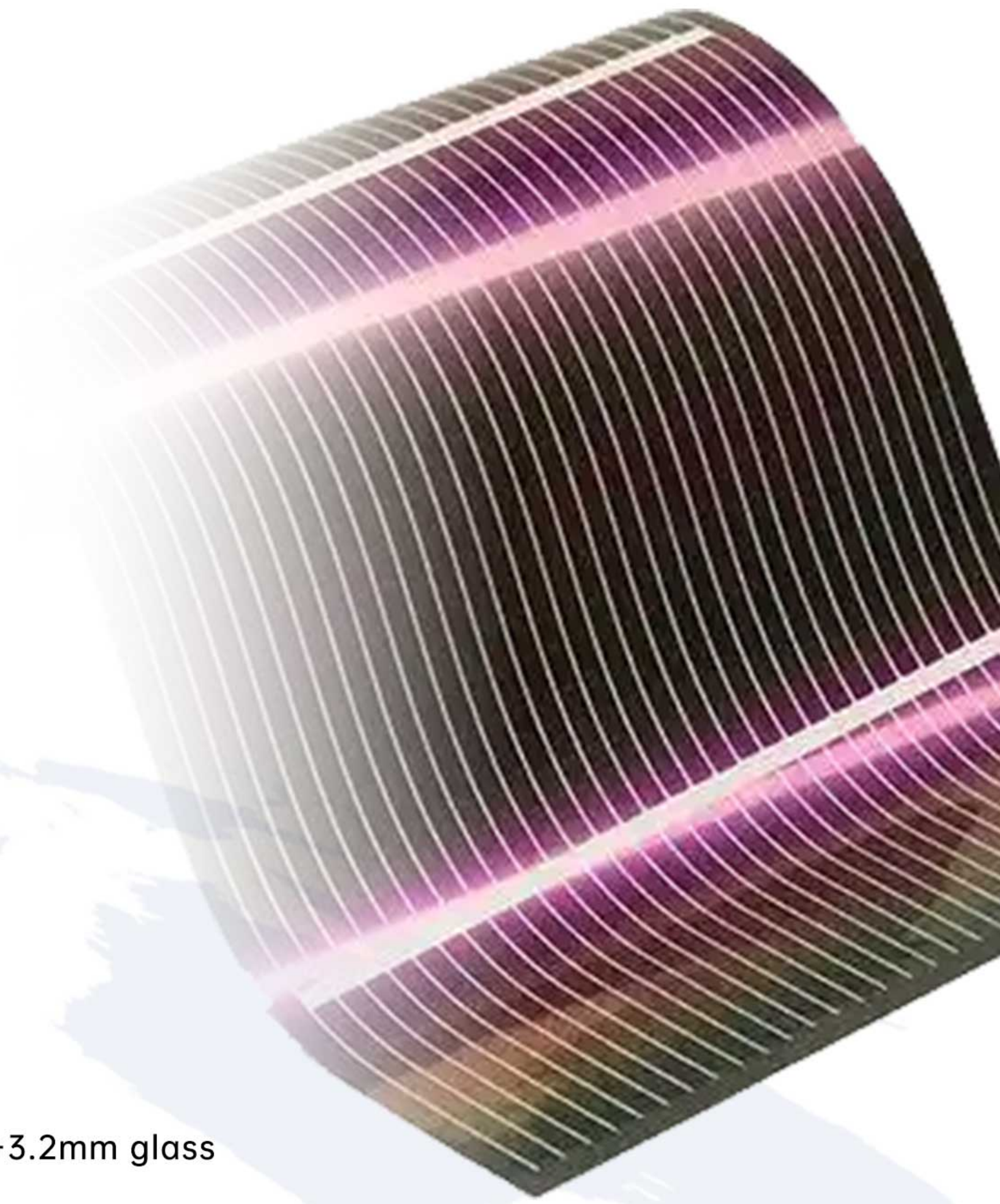
ELECTRICAL DATA @ NMOT

Maximum Power (Pmax /W)	71.44	60.16	52.64	45.12
Voltage at Maximum Power (Vmpp/V)	81.3	79.7	80.6	81.7
Current at Maximum Power (Impp/A)	0.88	0.75	0.65	0.55
Open Circuit Voltage (Voc /V)	96.7	94.9	95.9	97.2
Short Circuit Current (Isc /A)	0.97	0.83	0.72	0.61

*NMOT (Under Nominal Module Operating Temperature): Irradiance of 800W/ ㎡ , Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

Temperature Coefficient (STC)

Temperature Coefficient of Pmax	-0.110%/°C
Temperature Coefficient of Voc	-0.101%/°C
Temperature Coefficient of Isc	-0.039%/°C



Operational Parameters

Maximum System Voltage	1500V
Operating Temperature	-40°C~85°C
Number of Diodes	1
Protection Grade	IP68
Maximum Series Fuse Rating	4A

Mechanical Parameters

Dimension	1200*600*11mm
Battery Type	Perovskite (Thin film)
Size	0.72m²
Product Layer	3.2mm glass+PVB+3.2mm PVK glass+PVB+3.2mm glass
Cable Length	300 (-)mm/450 (+)mm
Mechanical Load	Front:5400Pa,Rear:5400Pa

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