PEROVSKITE MODULE

ECO DELTA

BIPV Colored Module

ECO-M072CS-***

Building-integrated aesthetics

APPlication scenario

Roof I Decorative Building Facade I Sun-shading system I corridor

☆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

Color	Red	Silver	Gray	Blue	Purple
*Custom color: upon separate inquiry					

ELECTRICAL DATA @ STC

Maximum Power (Pmax /W)	70	90	100	105	110
Module Efficiency /%	9.7	12.5	13.9	14.6	15.3
Voltage at Maximum Power (Vmpp/V)	85.9	85.5	85.9	83.5	85.8
Current at Maximum Power (Impp/A)	0.82	1.05	1.16	1.26	1.28
Open Circuit Voltage (Voc /V)	100.9	100.5	101.1	99.7	100.8
Short Circuit Current (Isc /A)	0.90	1.16	1.29	1.40	1.42

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

ELECTRICAL DATA @ NMOT

Maximum Power (Pmax /W)	52.64	67.68	75.2	78.96	82.72
Voltage at Maximum Power (Vmpp/V)	80.6	80.2	80.6	80.5	80.5
Current at Maximum Power (Impp/A)	0.65	0.84	0.93	1.03	1.03
Open Circuit Voltage (Voc /V)	95.9	95.5	96.0	95.8	95.8
Short Circuit Current (Isc /A)	0.72	0.93	1.03	1.13	1.13

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

Temperature Coefficient (STC)

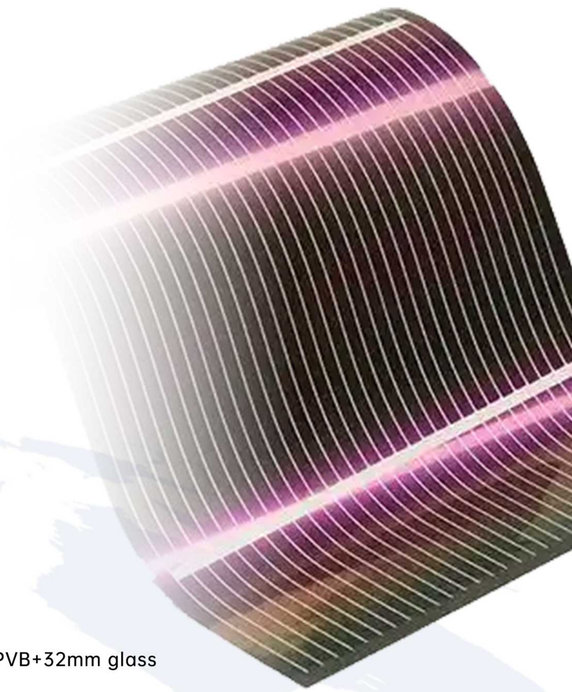
Temperature Coefficient of Pmax	-0.110%/°C
Temperature Coefficient of Voc	-0.101%/°C
Temperature Coefficient of Isc	-0.039%/°C

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 colorful glass+PVB+32mm PVK glass+PVB+32mm glass
Cable Length	300 (-)mm/450 (+)mm
Mechanical Load	Front:5400Pa,Rear:5400Pa



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