PEROVSKITE MODULE

ECO DELTA

Flexible Perovskite Module

ECO-M072RX-***

Building-integrated aesthetics

APPlication scenario

New energy vehicles | Portable power supplies | Consumer electronics

- 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
- Bendable
- Portable
- Lightweight
- Adjustable Transparency
- Customizable Size
- Customizable Color

TÜV cec cULus LISTED SGS JP-AC

ELECTRICAL DATA @ STC

Maximum Power (Pmax /W)	90	95	100	105	110
Module Efficiency /%	12.5	13.2	13.9	14.6	15.28
Voltage at Maximum Power (Vmpp/V)	72.32	74.29	76.26	78.23	80.20
Current at Maximum Power (Impp/A)	1.24	1.28	1.31	1.34	1.37
Open Circuit Voltage (Voc /V)	98.15	98.89	99.62	100.36	101.10
Short Circuit Current (Isc /A)	1.45	1.47	1.48	1.50	1.51

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

ELECTRICAL DATA @ NMOT

Maximum Power (Pmax /W)	67.68	71.44	75.20	78.96	82.72
Voltage at Maximum Power (Vmpp/V)	78.36	78.94	79.53	80.12	80.71
Current at Maximum Power (Impp/A)	0.86	0.90	0.95	0.99	1.02
Open Circuit Voltage (Voc /V)	93.24	93.94	94.64	95.34	96.04
Short Circuit Current (Isc /A)	1.16	1.17	1.18	1.20	1.21

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

Temperature Coefficient (STC)

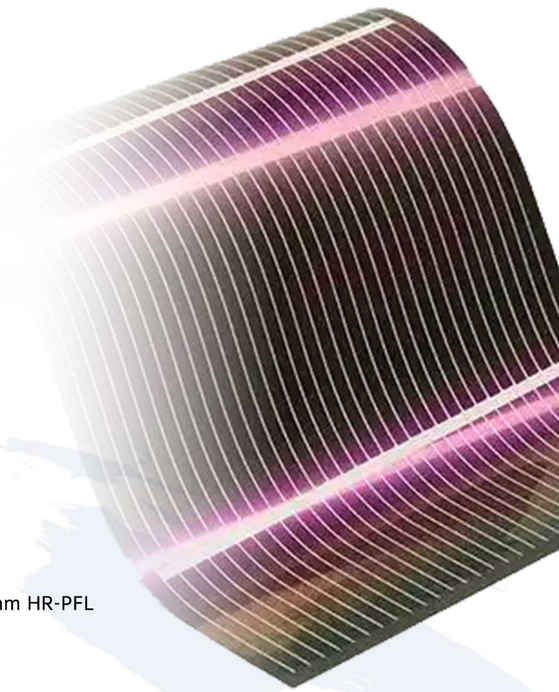
Temperature Coefficient of Pmax	-0.110%/°C
Temperature Coefficient of Voc	-0.101%/°C
Temperature Coefficient of Isc	-0.039%/°C

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*1.5mm
Battery Type	Perovskite (Thin film)
Size	0.72m²
Product Layer	0.3mm HR-PFL+POE+0.2mm PV+POE+0.3mm HR-PFL
Cable Length	300 (-)mm/450 (+)mm
Mechanical Load	Front:5400Pa,Rear:5400Pa



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