



# ERDM SOLAR

POR NUESTRA TIERRA

## ERDM 565 M10-72\*2 BF N Type

Rated Power 565-585W



No risk of spontaneous detonation



Bifacial Module is 30% lighter than Dual-Glass Module



Bifacial cells, provide an additional output



Ability to breath, The inner CH<sub>3</sub>COOH can be released



### Célula MBB N-Type

New circuit design N-type cells, can increase the output power of 10W-20W.



### Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord



### Low Light Features

Higher performance under low light environment.



### PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized



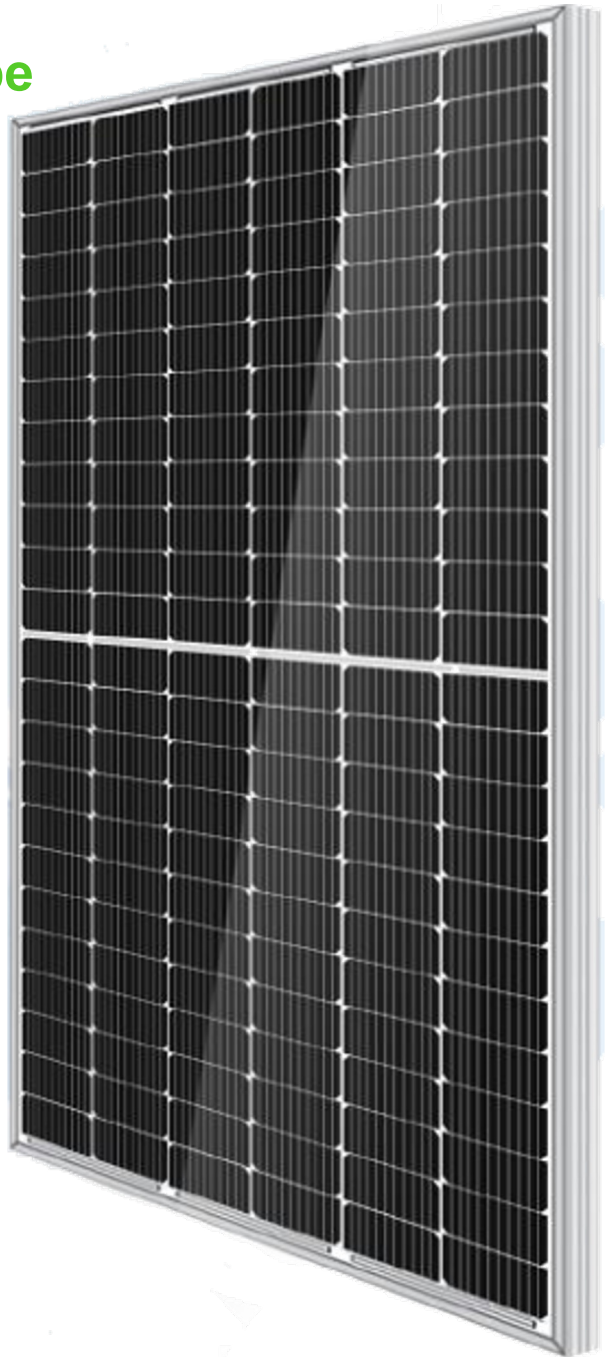
### Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



### Higher Output Power

Module adopts 182\*182mm half cells, bifacial module provide an additional 5%~25% output.



1.0% 1st year Degradation

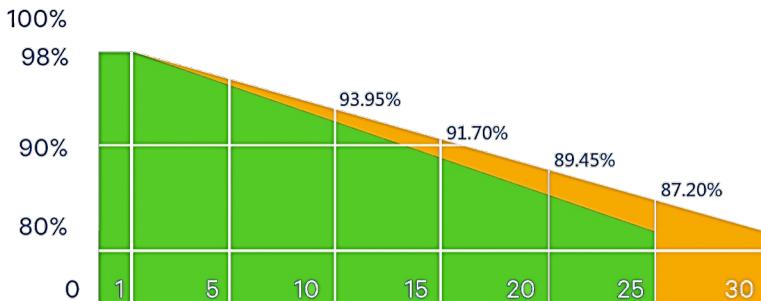
0.55% Annual degradation



Standar Module



ERDM Monocrystalline Module Linear Performance warranty

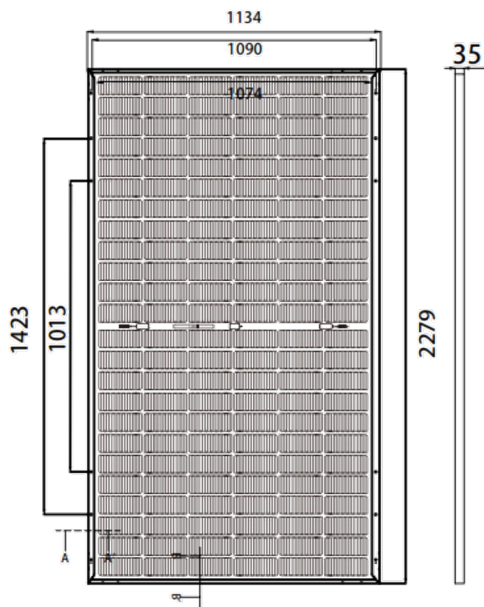


\* J-PEC Product

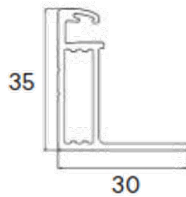


IEC 61215-2: 2016  
IEC 61730-2: 2016

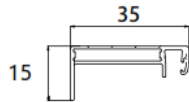
The information contained in this data sheet is subject to change without notice and is for informational purposes only.



Frame cross section A-A



Frame cross section B-B



**SPECIFICATIONS**

Type cell	Monocrystalline 182 x 182 mm
Cell Amount	72*2
Junction Box	IP68
Cable	4mm <sup>2</sup> , N 300mm / P 300mm
Connector	MC4 Compatible
Frame	Aluminum Alloy 6063 T5
Weight	27 +/- 0.5 Kg
Dimensions	2279 x 1134 x 35 mm (2.58 m <sup>2</sup> )

**ELECTRICAL PARAMETERS (STC of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C)**

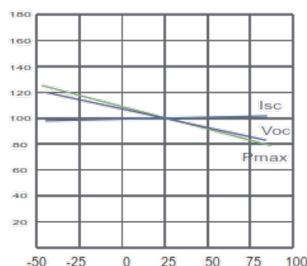
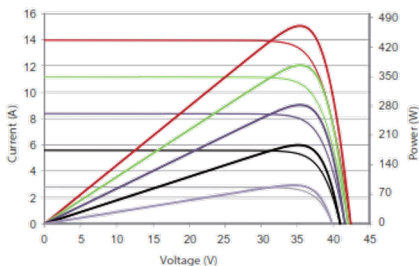
	565	570	575	580	585
Power					
Open Circuit Voltage Voc (V)	50.68	50.82	50.96	51.09	51.22
Maximum Power Voltage Vmp (V)	41.99	42.14	42.29	42.42	42.55
Short Circuit Current Isc (A)	14.21	14.29	14.37	14.45	14.53
Maximum Power Current Imp (A)	13.46	13.53	13.60	13.67	13.74
Module Efficiency (%)	21.86	22.06	22.25	22.44	22.64

**ELECTRICAL PARAMETERS (NMOT irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.)**

	425	429	433	436	440
Power					
Open Circuit Voltage Voc (V)	48.14	48.28	48.41	48.54	48.67
Maximum Power Voltage Vmp (V)	39.48	39.61	39.70	39.81	39.92
Short Circuit Current Isc (A)	11.47	11.53	11.60	11.67	11.73
Maximum Power Current Imp (A)	10.77	10.83	10.90	10.96	11.02
Module Efficiency (%)	16.44	16.60	16.75	16.87	17.03

**ELECTRICAL PARAMETERS (10% BIFACIAL POWER OUTPUT)**

	622	627	633	638	644
Power					
Open Circuit Voltage Voc (V)	50.69	50.83	50.97	51.10	51.23
Maximum Power Voltage Vmp (V)	42.01	42.16	42.31	42.44	42.57
Short Circuit Current Isc (A)	15.61	15.70	15.80	15.90	16.00
Maximum Power Current Imp (A)	14.79	14.87	14.95	15.03	15.12



**TEMPERATURE CHARACTERISTICS / MAXIMUM RATING**

NMOT	41 +/- 3 °C
Temp Coefficient of Pmax	-0.30 %/°C
Temp Coefficient of Voc	-0.25 %/°C
Temp Coefficient of Isc	+0.046 %/°C
Maximum System Voltage	1500V DC (IEC)
Fuse Current	25 A
Operating Temperature	-40 -+85 °C
Wind Load/Snow Load	2400pa / 5400pa

**30 YEARS POWER WARRANTY**