

ENERGATE

The gate to the Energy!

MONOCRYSTALLINE PV MODULES

EM -72 Series 370W-400W

<p>72 CELLS</p>	 PID RESISTANT	 SALT CORROSION RESISTANT	 SAND RESISTANT	$\frac{NH_3}{S}$ AMMONIA RESISTANT	 HIGHLY STABLE AND TOUGH
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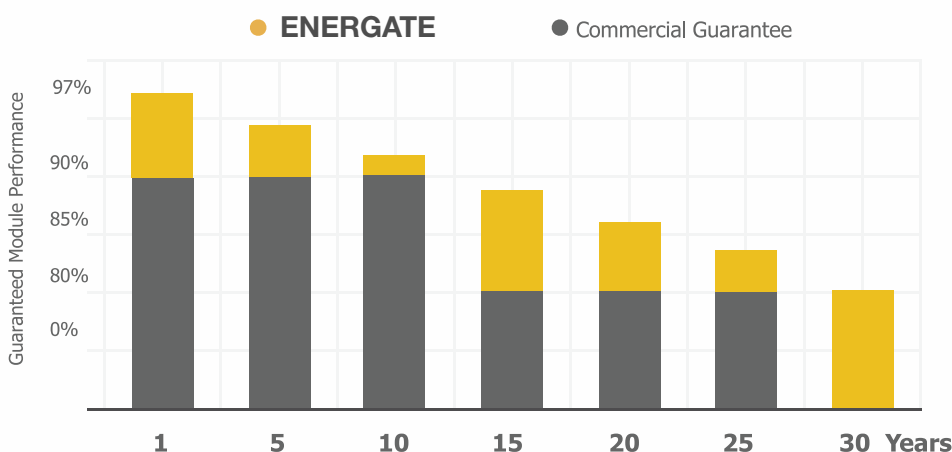
BES QUALITY
ENERGATE photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ PLUS-SORTING
 Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.

PERFORMANCE GUARANTEE
ENERGATE assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.

CERTIFICATES
 Lining with international standards, **ENERGATE** Photovoltaic modules are tested and certified under extreme stress conditions and it can bear harsh environment influences.

OUR PERFORMANCE GUARANTEE



30
years
Performance Guarantee

12
years
Product Warranty

TECHNICAL DATA

EM -72 Series 370W-400W

E370EM-72 E375EM-72 E380EM-72 E385EM6-72 E390EM-72 E395EM-72 E400EM-72

SPECIFICATIONS

Parameter	Unit	E370EM-72	E375EM-72	E380EM-72	E385EM6-72	E390EM-72	E395EM-72	E400EM-72
Nominal Max. Power	Pmax (Wp)	370	375	380	385	390	395	400
Maximum power voltage	Vmp(V)	39.90	40.20	40.50	40.80	41.10	41.40	41.71
Maximum power current	Imp (A)	9.28	9.33	9.39	9.44	9.49	9.54	9.59
Open-circuit voltage	Voc(V)	48.51	48.72	48.90	49.10	49.30	49.48	49.69
Short-circuit current	Isc (A)	9.61	9.68	9.75	9.92	10.12	10.50	10.59
Module efficiency	(%)	18.77	19.08	19.28	19.53	19.79	20.04	20.29
Power tolerance	Pmax (Wp)				0 / + 5			
Maximum system voltage DC	(V)				1000			
Maximum series fuse rating	(A)				15			
Operating temperature	(°C)				-40 to +85			
Temp. coefficients of Pmax	(%/°C)				-0.37			
Temp. coefficients of Voc	(%/°C)				-0.28			
Temp. coefficients of Isc	(%/°C)				0.048			
Nom. Operating cell temp.(NOCT)	(°C)				45±2			

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 158.75 x 158.75mm
No. of cells	72 (6 x 12)
Dimensions	1990 X 1005 X 35 mm
Weight	19 KG
Junction box	IP 67 rated
Output cable	1 x 4.0mm ² , 1200mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 28 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/m ²
Mechanical load	5400 Pa / 550 kg/m ²

PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading Capacity	704 pcs / 40HQ
Size / pallet (mm)	1990x1005x35mm
Weight	1464 KG/ double pallet

DIMENSIONS

