

ENERGATE

The gate to the Energy!

MONOCRYSTALLINE PV MODULES

EM -60 Series 305W-335W

60
CELLS



PID
RESISTANT



SALT CORROSION
RESISTANT



SAND
RESISTANT



AMMONIA
RESISTANT



HIGHLY STABLE
AND TOUGH

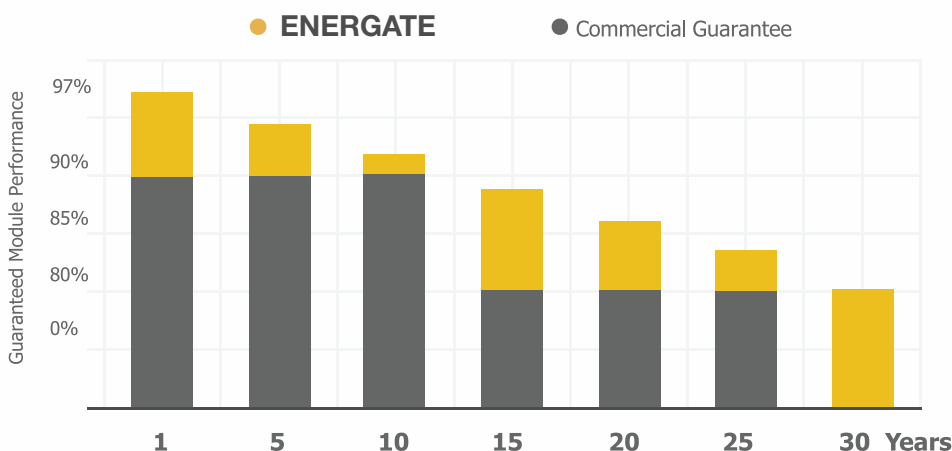
BEST QUALITY
ENERGATE photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

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 -60 Series 305W-335W

SPECIFICATIONS

E305EM-60 E310EM-60 E315EM-60 E320EM-60 E325EM-60 E330EM-60 E335EM-60

Nominal Max. Power	P _{max} (Wp)	305	310	315	320	325	330	335
Maximum power voltage	V _{mp} (V)	32.80	33.00	33.20	33.40	33.61	33.81	34.02
Maximum power current	I _{mp} (A)	9.30	9.40	9.49	9.59	9.68	9.76	9.85
Open-circuit voltage	V _{oc} (V)	40.31	40.50	40.70	40.90	41.10	41.31	41.49
Short-circuit current	I _{sc} (A)	9.83	9.92	10.04	10.15	10.20	10.37	10.49
Module efficiency	(%)	18.39	18.69	18.99	19.30	19.60	19.90	20.20
Power tolerance	P _{max} (Wp)	0 / + 5						
Maximum system voltage DC	(V)	1000						
Maximum series fuse rating	(A)	15						
Operating temperature	(°C)	-40 to +85						
Temp. coefficients of P _{max}	(%/°C)	-0.37						
Temp. coefficients of V _{oc}	(%/°C)	-0.28						
Temp. coefficients of I _{sc}	(%/°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	60 (6X10)
Dimensions	1665 X1006 X 35 mm
Weight	19 KG
Junction box	IP 67 rated
Output cable	1 x 4.0mm ² , 1000mm 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)	1995 X1116 mm
Weight	1464 KG/ double pallet

DIMENSIONS

