



Deutsche
Qualität
Garantiert



SMART HOT-SPOT FREE
SHADING RESISTANT TECHNOLOGY

SMB-60 320W-335W

Maximizing the energy yield

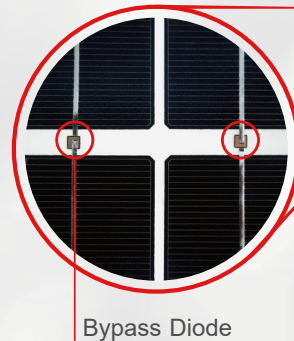
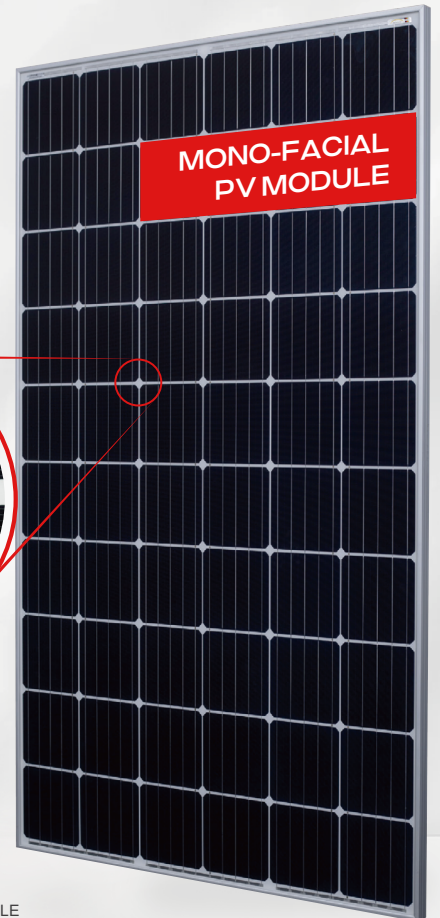
19.90%
MAXIMUM EFFICIENCY

60
FULL CELLS

30 YEARS
Performance Warranty

up to **30 YEARS***
Product Warranty

*The regular product warranty is 15 years, please refer to the latest version of AESOLAR Limited Warranty for the duration of the product warranty under special conditions. for extensions, please contact AESOLAR staff.



SHADING
RESISTANT



HOT SPOT
RESISTANT



LID
RESISTANT



PID
RESISTANT



SALT CORROSION
RESISTANT



SAND
RESISTANT

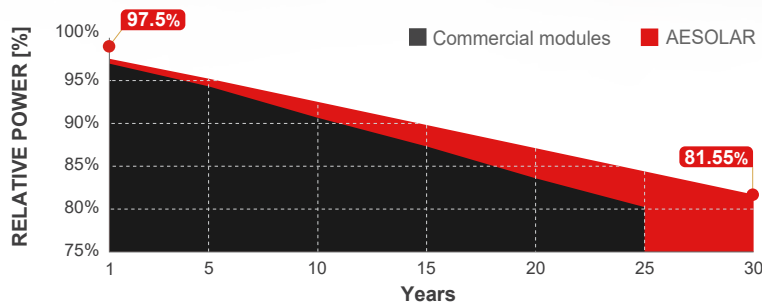


AMMONIA
RESISTANT

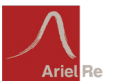


HIGHLY STABLE
AND TOUGH

OUR PERFORMANCE WARRANTY



SYSTEM AND PRODUCT CERTIFICATIONS



IEC 61215 IEC 61730
Regular Production Surveillance

www.tuv.com
ID 1111251295



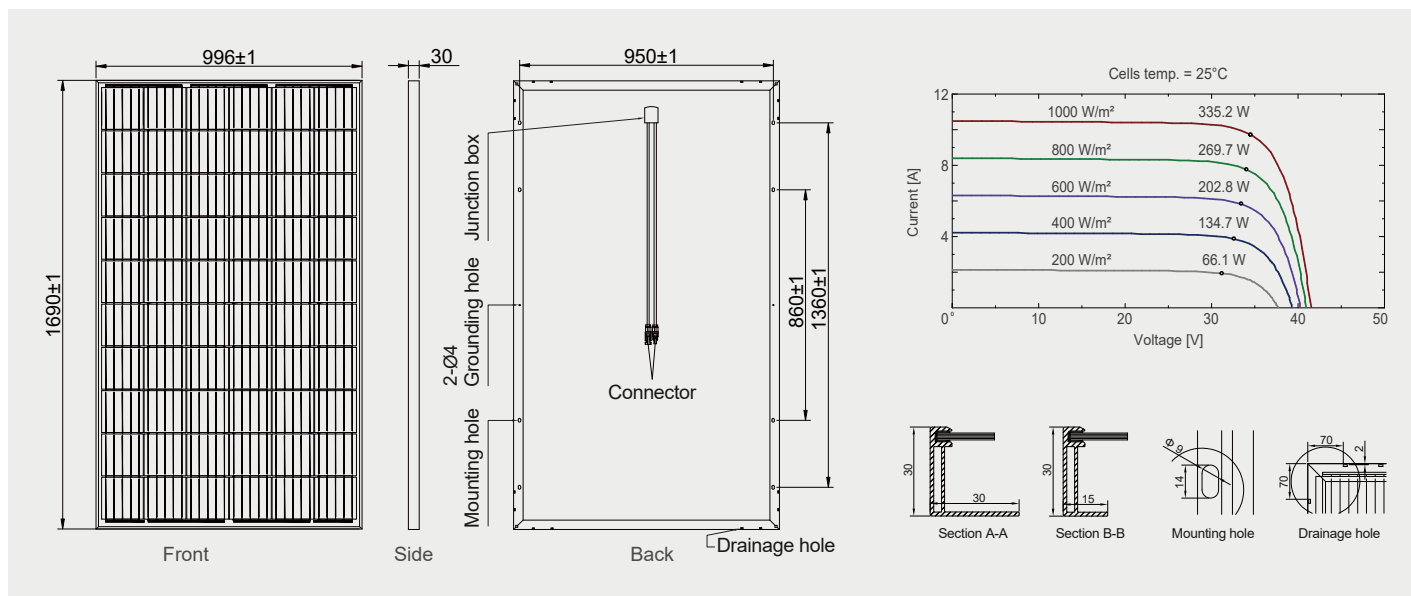
AESOLAR

www.ae-solar.com

AE SMB-60 320W-335W

SMART HOT-SPOT FREE SHADING RESISTANT TECHNOLOGY

MONO-FACIAL PV MODULE



Electrical specifications (STC*):

Nominal max. Power	P_{max} (Wp)	320	325	330	335
Maximum operating voltage	V_{MPP} (V)	33.40	33.61	33.81	34.02
Maximum operating current	I_{MPP} (A)	9.59	9.68	9.76	9.85
Open-circuit voltage	V_{oc} (V)	40.90	41.10	41.31	41.49
Short-circuit current	I_{sc} (A)	10.15	10.20	10.37	10.49
Module efficiency	η (%)	19.01	19.31	19.61	19.90
Power tolerance	(W)	0~+5			
Maximum system Voltage	(V)	1000			
Maximum series fuse rating	(A)	15			

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5), measurement tolerance P_{max} : ±3%

Electrical specifications (NMOT*):

Nominal max. Power	P_{max} (Wp)	241	245	248	252
Maximum operating voltage	V_{MPP} (V)	31.40	31.60	31.80	32.00
Maximum operating current	I_{MPP} (A)	7.67	7.74	7.81	7.88
Open-circuit voltage	V_{oc} (V)	37.71	37.90	38.10	38.30
Short-circuit current	I_{sc} (A)	8.14	8.16	8.30	8.39

*NMOT: Normal Module Operating Temperature (irradiance 800 W/m², ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

Mechanical and design specification

Cell type	Mono c-Si PERC, full cells
No. of cells	60
Front cover	3.2 mm glass, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP68 rated, 2 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm², 900 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1690 mm x 996 mm x 30 mm
Weight	17.5 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m²
Snow load	5400 Pa or 550 kg/m²

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P_{max}	-0.37 %/°C
Temp. coefficient of V_{oc}	-0.28 %/°C
Temp. coefficient of I_{sc}	0.048 %/°C
Nom. operating cell temp. NOCT	45 ± 2°C

Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	988 pcs / 40 HQ
Size / Pallet	1725 mm x 1140 mm x 1117.5 mm
Weight	679 kg / pallet

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.