

Deutsche
Qualität
Garantiert



ECLIPSE

ULTRA BLACK
series

For Elegant Living

30
years
Performance
Guarantee

15
years
Product
Warranty

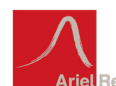
MONO-CRYSTALLINE PV MODULES
FIFTH-CUT CELLS • MONO-FACIAL

385W-395W

AE SMB-66E Series



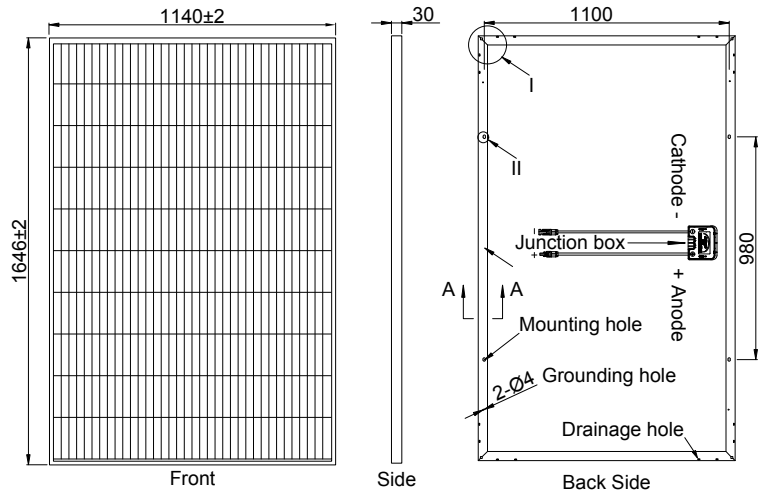
IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored



www.ae-solar.com

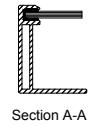
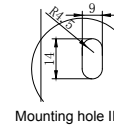
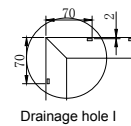
Mechanical and design specification

Cell type	Gallium-doped Mono c-Si PERC, Fifth-cut, 158.75mm
No. of cells	36x10
Glass	3,2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	Black Backsheet
Junction box	IP 68 rated
Frame	30 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1646 mm x 1140 mm x 30 mm
Weight	19 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²



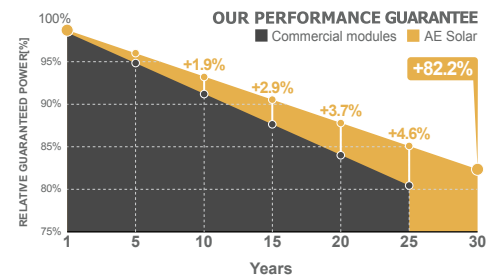
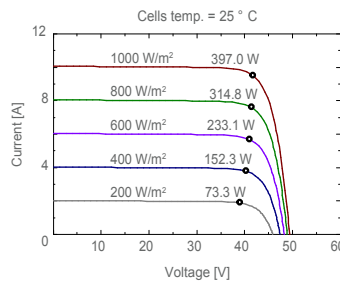
Packaging information

Packaging configuration	72 pcs / double pallet
Loading capacity	1008 pcs / 40 HQ
Size / Pallet	1685 mm x 1140 mm x 2490 mm
Weight	1468 kg / double pallets



Temperature ratings

Operating temperature (°C)	-40 to +85
Temp.coefficient of P _{max} (%/°C)	-0.34
Temp.coefficient of V _{oc} (%/°C)	-0.27
Temp.coefficient of I _{sc} (%/°C)	0.040
Nom. operating temp. NOCT (°C)	42.3 ± 2



Electrical specifications (STC*):		AE385SMB-66E	AE390SMB-66E	AE395SMB-66E
Nominal Max. Power	P _{max} (Wp)	385	390	395
Maximum operating voltage	V _{MPP} (V)	40.80	40.80	40.90
Maximum operating current	I _{MPP} (A)	9.44	9.56	9.66
Open-circuit voltage	V _{oc} (V)	49.30	49.30	49.40
Short-circuit current	I _{sc} (A)	9.98	10.03	10.07
Module efficiency	η (%)	20.50	20.80	21.10
Power tolerance	(W)		0~+5	
Maximum system Voltage	(V)		1500	
Maximum series fuse rating	(A)		20	

*STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT*):		AE385SMB-66E	AE390SMB-66E	AE395SMB-66E
Nominal Max. Power	P _{max} (Wp)	290	294	297
Maximum operating voltage	V _{MPP} (V)	38.90	38.90	39.00
Maximum operating current	I _{MPP} (A)	7.45	7.55	7.63
Open-circuit voltage	V _{oc} (V)	47.00	47.00	47.10
Short-circuit current	I _{sc} (A)	8.04	8.08	8.11

*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)

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.