

Deutsche
Qualität
Garantiert



144

SEMI
CELULE

182
mm

DIMENSIUNEA
CELULEI



REZISTENTA
LID



REZISTENTA
PID



REZISTENTA LA
COROZIUNEA SARII



REZISTENTA
LA NISIP



REZISTENTA
LA AMONIAZ



STABILITATE INALTA
SI DURITATE



AUROLA

HIGH ENERGY YIELD RELIABILITY DURABILITY

30

years
Performance
Guarantee

15

years
Product
Warranty

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

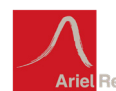
530W-550W

AE MD-144 Series



IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)



www.ae-solar.com

AE MD-144 Series 530W-550W

Specificatii mecanice si de design

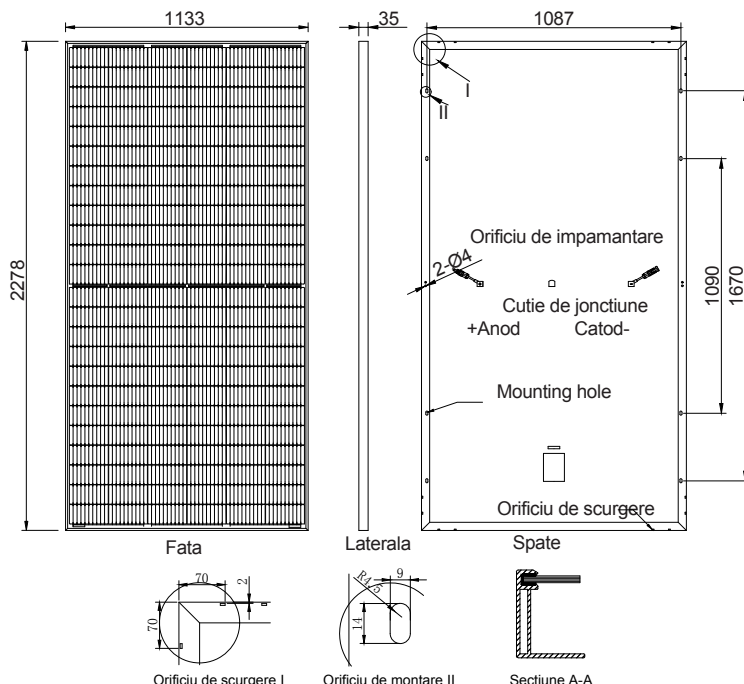
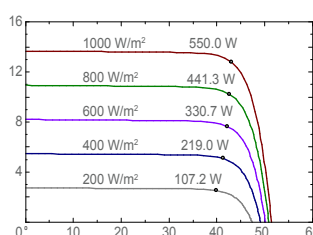
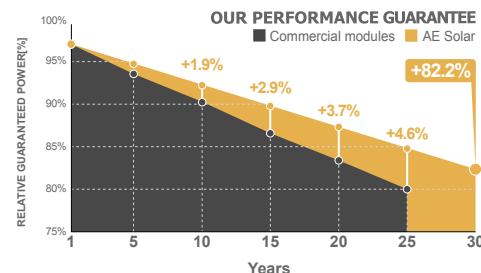
Tipul celulei	Mono c-Si PERC dopate cu galiu, celule semi-taiate, 182 mm
Nr. de celule	144
Sticla	3.2 mm, transmisie ridicata, strat AR, securizata
Incapsulare	EVA
Coperta spate	Folie alba
Cutie de jonctiune	nominal IP 68
Rama	35 mm aliaj aluminiu anodizat
Cablu	1 x 4 mm ² , 350 mm lungime sau personalizat
Conectori	compatibili MC 4 / MC 4
Dimensiuni	2278 mm x 1133 mm x 35 mm
Greutate	27 kg
Rezistenta la grindina	Max. Ø 25 mm at 23 m/s
Sarcina vantului	2400 Pa/ 244 kg/ m ²
Sarcina mecanica	5400 Pa/ 550 kg/ m ²

Informatie pachet

Configuratie pachet	62 buc / palet dublu
Capacitate de incarcare	620 buc / 40 HQ
Dimensiune / Palet	2310 mm x 1140 mm x 2490 mm
Greutate	1804 kg / palet dublu

Cote temperatura

Temperatura de operare	(°C)	de la -40 la +85
Coefficient de temp. al P _{max}	(%/°C)	-0.35
Coefficient de temp. al V _{oc}	(%/°C)	-0.275
Coefficient de temp. al I _{sc}	(%/°C)	0.045
Temp. nominala de operare NOCT (°C)		45 ± 2



Specificatii electrice (STC*):

		AE530MD-144	AE535MD-144	AE540MD-144	AE545MD-144	AE550MD-144
Putere nominala max.	P _{max} (Wp)	530	535	540	545	550
Tensiune max. de operare	V _{MPP} (V)	41.70	41.93	42.15	42.38	42.57
Curentul in punctul de putere max.	I _{MPP} (A)	12.71	12.76	12.81	12.86	12.92
Tensiune electrica mers in gol	V _{oc} (V)	49.65	49.78	49.90	50.01	51.44
Curent scurtcircuit	I _{sc} (A)	13.47	13.52	13.57	13.62	13.67
Eficienta modul	η (%)	20.53	20.73	20.92	21.12	21.31
Toleranta puterii	(W)			0~+5		
Tensiune max. a sistemului	(V)			1500		
Putere nominala a sigurantelor fuzibile	(A)			25		

*STC: Conditii standard de testare (Iradierie 1000 W/m², Temperatura celulei 25°C si masa de aer de AM1.5)

Specificatii electrice (NMOT*):

		AE530MD-144	AE535MD-144	AE540MD-144	AE545MD-144	AE550MD-144
Putere nominala max.	P _{max} (Wp)	400	403	407	410	414
Tensiune max. de operare	V _{MPP} (V)	39.30	39.50	39.70	39.90	40.10
Curent max. de operare	I _{MPP} (A)	10.17	10.21	10.25	10.29	10.34
Tensiune electrica mers in gol	V _{oc} (V)	47.00	47.20	47.40	47.60	47.80
Curent scurtcircuit	I _{sc} (A)	10.78	10.82	10.86	10.90	10.94

*NMOT: Temperatura normala de operare a modului (Iradierie 800 W/m², temperatura ambientala 20°C, masa de aer de AM1.5 si viteza vantului de 1 m/s)

Specificatiile si caracteristicile ce se regasesc in aceasta fisă tehnica pot devia de la produsele reale din cauza dezvoltării produselor si incertitudinea aparatelor de masura. Specificatiile incluse in fisă tehnica pot suferi modificari fara un anunt in prealabil.