

Deutsche
Qualität
Garantiert



144

SEMI
CELULE

166
mm

DIMENSIUNEA
CELULEI



REZISTENTA
LID



STABILITATE INALTA
SI DURITATE



ENRICH YOUR
ENERGY YIELD

30

years

Performance
Guarantee

15

years

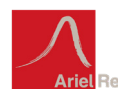
Product
Warranty

SILICON HETEROJUNCTION PV MODULES
HALF-CUT CELLS • BIFACIAL • DOUBLE-GLASS

460W-480W
AE TMC-144BDS Series



IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored



www.ae-solar.com

SPECIFICATII MECANICE SI DE DESIGN

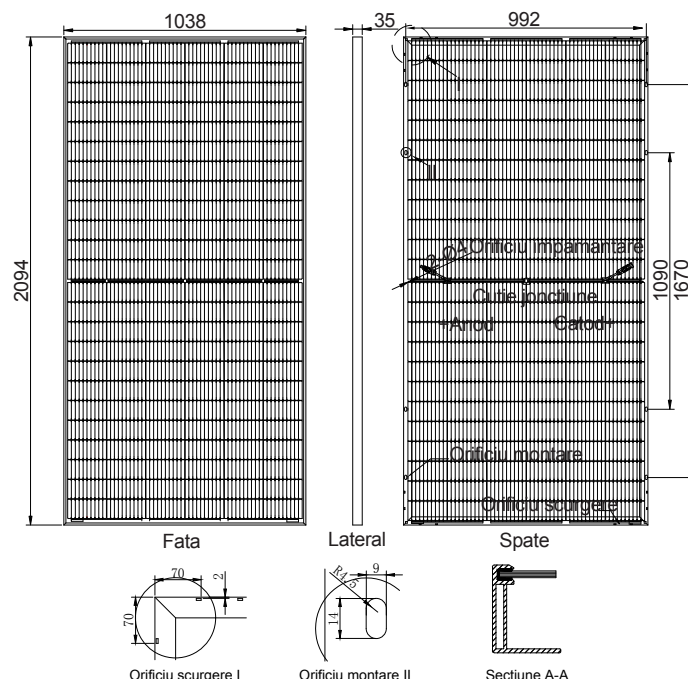
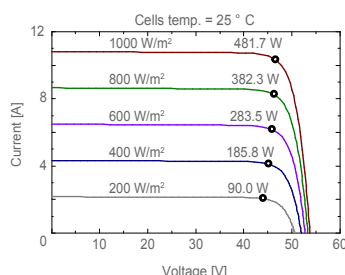
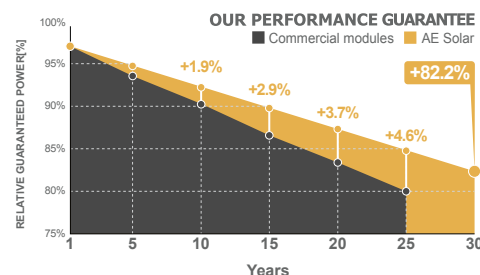
Tipul celulei	Tehnologie heterojunctie silicon, celule semi-taiate, 166 mm
Nr. de celule	144
Bifacialitate	80±5%
Sticla	2.0 mm, transmisie inalta, strat AR, securizata
Incapsulare	POE
Capac spate	2.0 mm, sticla solara cu transmisie inalta, securizata
Cutie jonctiune	nominal IP 68
Rama	30 mm aliaj aluminiu anodizat
Cablu	1 x 4 mm ² , 200 mm lungime sau personalizat
Conectori	MC 4 / MC 4 compatible
Dimensiune	2094 mm x 1038 mm x 30 mm
Greutate	27.5 kg
Rezistenta la grindina	Max. Ø 25 mm at 23 m/s
Rezistenta la vant	2400 Pa/ 244 kg/ m ²
Rezistenta mecanica	5400 Pa/ 550 kg/ m ²

Informatii pachet

Configuratie pachet	35 buc / palet
Capacitate incarcare	770 buc / 40 HQ
Dimensiune / Palet	2125 mm x 1135 mm x 2320 mm
Greutate	2010 kg / palet

Cote temperatura

Temperatura de operare	(°C)	-40 to +85
Coefficient temp. la P_{max}	(%/°C)	-0.26
Coefficient temp. la V_{oc}	(%/°C)	-0.24
Coefficient temp. la I_{sc}	(%/°C)	0.04
Temp. nom. de operare NOCT	(°C)	44 ± 2



Specificatii electrice (STC*): AE460TMC-144BDS AE465TMC-144BDS AE470TMC-144BDS AE475TMC-144BDS AE480TMC-144BDS

Putere nominala max.	P_{max} (Wp)	460	465	470	475	480
Tensiune max. operare	V_{MPP} (V)	45.24	45.44	45.66	45.86	46.08
Alimentare max. operare	I_{MPP} (A)	10.18	10.24	10.30	10.36	10.43
Tensiune la mers in gol	V_{oc} (V)	53.22	53.35	53.48	53.61	53.74
Alimentare scurtcircuit	I_{sc} (A)	10.58	10.64	10.70	10.76	10.82
Eficienta modul	η (%)	21.16	21.39	21.62	21.85	22.08
Toleranta puterii	(W)			0~+5		
Tensiune max. sistem	(V)			1500		
Val.nom.max.sigurante fuzibile	(A)			20		

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

Specificatii electrice (NMOT*): AE460TMC-144BDS AE465TMC-144BDS AE470TMC-144BDS AE475TMC-144BDS AE480TMC-144BDS

Putere nominala max.	P_{max} (Wp)	344	347	351	355	358
Tensiune max. operare	V_{MPP} (V)	41.70	41.90	42.11	42.35	42.51
Alimentare max. operare	I_{MPP} (A)	8.24	8.29	8.34	8.38	8.43
Tensiune la mers in gol	V_{oc} (V)	49.52	49.64	49.77	50.09	5.21
Alimentare scurtcircuit	I_{sc} (A)	8.49	8.53	8.54	8.55	8.60

*NMOT: Temperatura Normala de operare a Modulului(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 afla in aceasta fisa tehnica pot devia usor de la produsele reale din cauza dezvoltarii produselor si incertitudinea dispozitivelor de masura. Specificatiile incluse in aceasta fisa tehnica pot fi supuse modificarilor fara un anunt in prealabil.