

20.68%
Maximum Efficiency

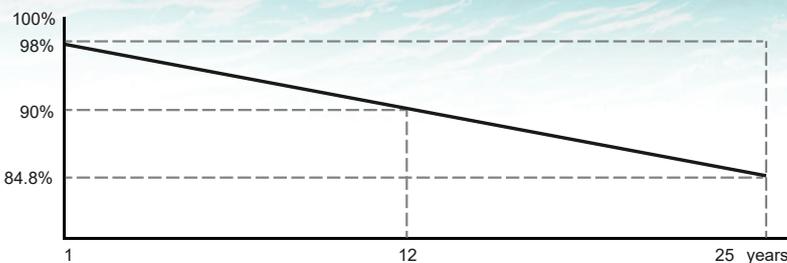
144
Half Cells

25 YEARS
Linear Power Warranty

12 YEARS
Product Warranty

Guaranteed Power Performance

Additional value from INVITAIC Solar's linear warranty

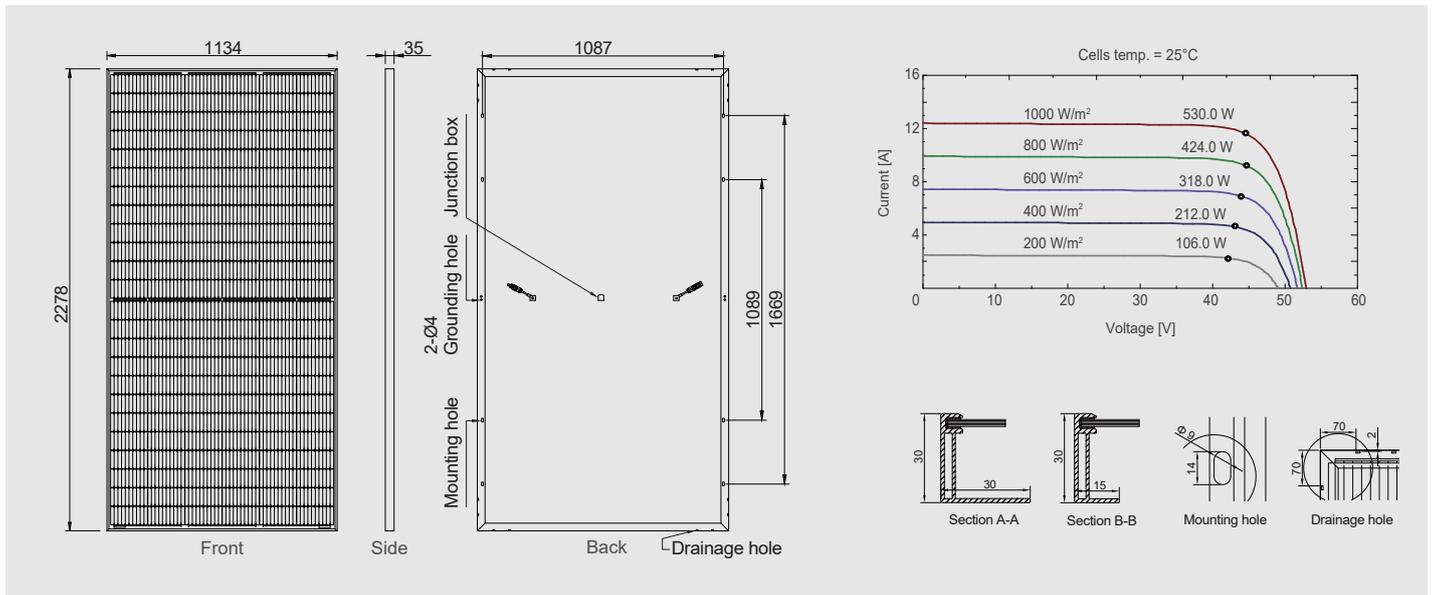


System And Product Certifications



MIRAGE 495/520/525/530W

SINGLE GLASS COLORFUL MODULE



Electrical specifications

Modules		Terracotta	Emerald	Blues	Frost	Sahara
Nominal max. power	P_{max} (Wp)	495	520	525	530	530
Maximum operating voltage	V_{MPP} (V)	45.59	45.52	45.70	45.62	45.69
Maximum operating current	I_{MPP} (A)	10.90	11.40	11.50	11.60	11.60
Open-circuit voltage	V_{oc} (V)	52.93	53.02	52.91	52.91	53.00
Short-circuit current	I_{sc} (A)	11.60	12.10	12.20	12.40	12.30
Module efficiency	η (%)	19.31	20.29	20.49	20.68	20.68
Power tolerance	(W)					± 3%
Maximum system voltage DC	(V)					1500
Maximum series fuse rating	(A)					25

Electrical specifications (NMOT*):

Modules		Terracotta	Emerald	Blues	Frost	Sahara
Nominal max. power	P_{max} (Wp)	368	387	391	394	394
Maximum operating voltage	V_{mp} (V)	41.86	42.04	42.08	42.11	42.11
Maximum operating current	I_{mp} (A)	8.80	9.20	9.28	9.36	9.36
Open-circuit voltage	V_{oc} (V)	50.02	50.10	50.00	50.00	50.08
Short-circuit current	I_{sc} (A)	9.36	9.77	9.85	10.01	9.93

*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	N-mono 182*91mm
Dimension	2278 mm x 1134 mm x 30 mm
Weight	26.5 kg
Junction box	IP68 rated, 3 bypass diodes
Output cable	900 mm
Connector type	Stäubli MC4
Hail resistance	Distance 1m, 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}	-0.30 %/°C
Temp. coefficient of V_{oc}	-0.275 %/°C
Temp. coefficient of I_{sc}	0.045 %/°C
Nom. operating cell temp. NOCT	45 ± 2°C

Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	720 pcs / 40 HQ
Size / Pallet	2310 mm x 1140 mm x 1245 mm
Weight	998 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.



+49 8231 978268 0
 sales@ae-solar.com
 www.ae-solar.com

AESOLAR
 Messerschmittring 54
 86343 Königsbrunn, Germany