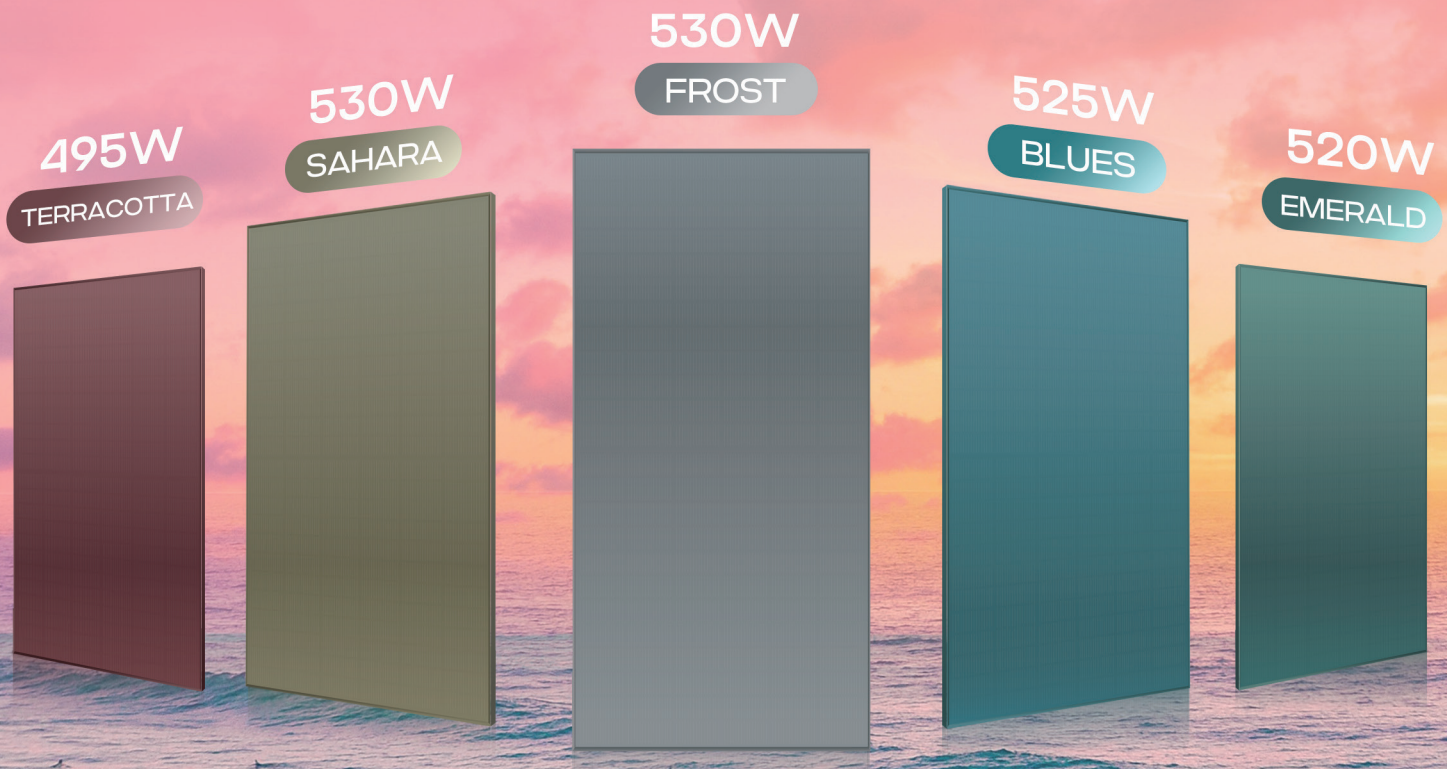
AESOLAR | INVITAIC
Invisible Photovoltaic

Wood Mackenzie Grade A | TIER1 BloombergNEF | SMM TIER1

MIRAGE

Colorful Single-glass Module

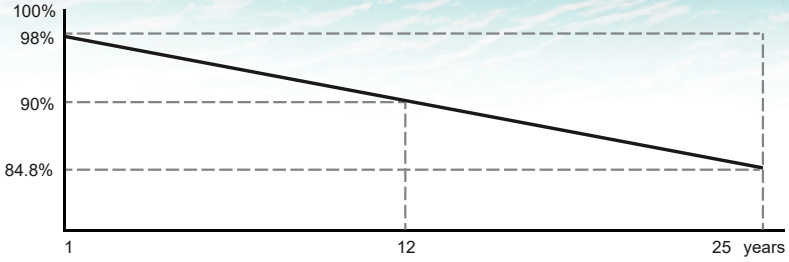


AE_CMD-144

20.68%	144	25 YEARS	12 YEARS
Maximum Efficiency	Half Cells	Linear Power Warranty	Product Warranty

Guaranteed Power Performance

Additional value from INVITAIC Solar 's linear warranty



System And Product Certifications

ISO | RoHS | REACH | IEC

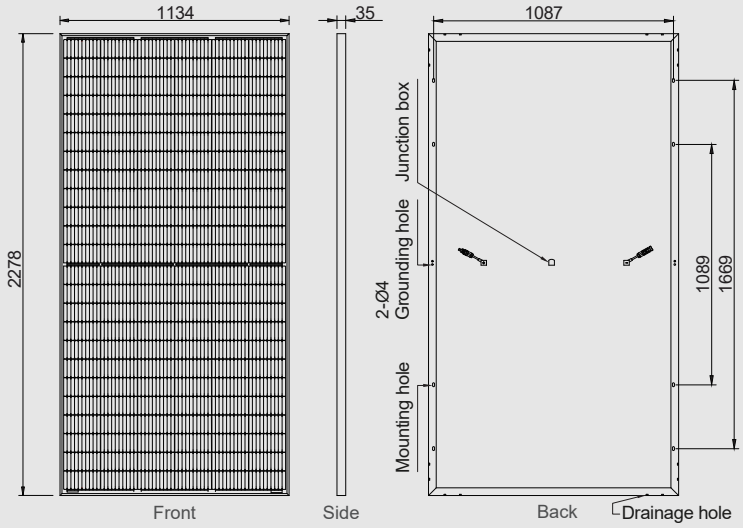
TÜVRheinland CERTIFIED — IEC 61215, IEC 61730 Regular Production Surveillance

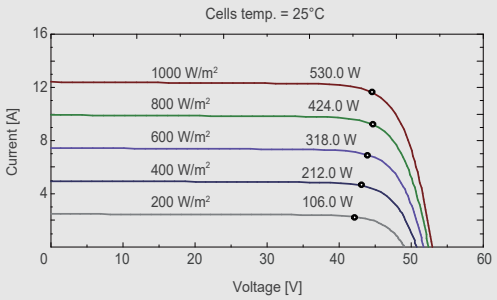
Fire Proof | CE

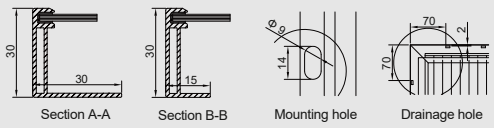
MIRAGE 495/520/525/530W

SINGLE GLASS COLORFUL MODULE

AESOLAR | INVITAIC Invisible Photovoltaic







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*):

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 35 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}	-0.35 %/°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	37 pcs / pallet
Loading capacity	740 pcs / 40 HQ
Size / Pallet	2310 mm x 1140 mm x 1245 mm
Weight	1024.5 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.

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