



AESOLAR

INVITAIC
Invisible Photovoltaic

Wood
Mackenzie
GradeA

TIER1
BloombergNEF

SMM TIER1
GLOBAL TIER 1 AWARD



MIRAGE

Colorful Double-glass Module

385W

FROST

380W

BLUES

375W

EMERALD

360W

TERRACOTTA

385W

SAHARA

AE_CMD-108BD

19.29%

Maximum Efficiency

108

Half Cells

25 YEARS

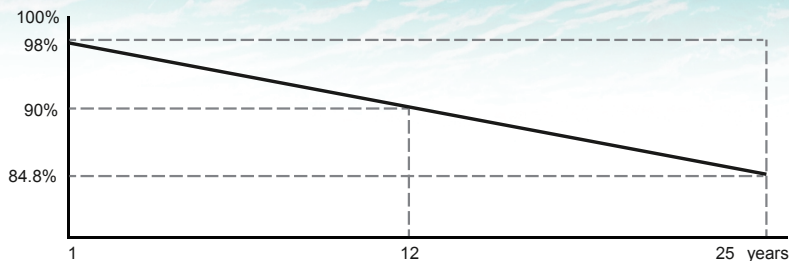
Linear Power Warranty

12 YEARS

Product Warranty

Guaranteed Power Performance

Additional value from INVITAIC Solar's linear warranty

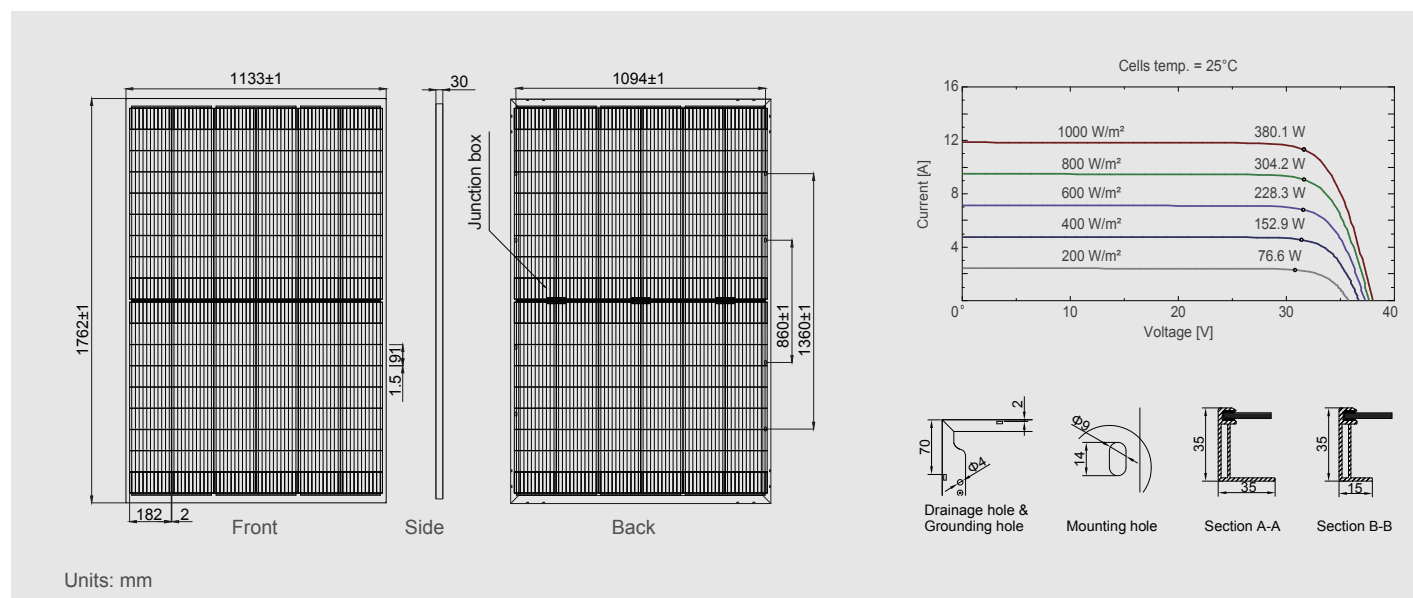


System And Product Certifications



IEC 61215
IEC 61730
Regular Production
Surveillance





Electrical specifications

Modules		Terracotta	Emerald	Blues	Frost	Sahara
Nominal max. power	P_{max} (Wp)	360	375	380	385	385
Maximum operating voltage	V_{MPP} (V)	33.55	33.63	33.70	33.74	33.71
Maximum operating current	I_{MPP} (A)	10.73	11.15	11.28	11.41	11.42
Open-circuit voltage	V_{oc} (V)	38.16	38.24	38.33	38.46	38.52
Short-circuit current	I_{sc} (A)	11.21	11.77	11.86	12.01	11.93
Module efficiency	η (%)	18.03	18.78	19.03	19.29	19.29
Power tolerance	(W)			0~+5		
Maximum system voltage DC	(V)			1500		
Maximum series fuse rating	(A)			25		

Mechanical and design specification

Cell type	N-mono 182*91mm
Dimension	1762 mm x 1133 mm x 30 mm
Weight	26 kg
Front cover	2.0 mm glass, high transmission, tempered
Back glass	2.0 mm glass, high transmission solar glass, tempered
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

Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	936 pcs / 40 HQ
Size / Pallet	1790 mm x 1140 mm x 1245 mm
Weight	1216 kg / pallet

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P_{max}	-0.32 %/°C
Temp. coefficient of V_{oc}	-0.25 %/°C
Temp. coefficient of I_{sc}	0.055 %/°C
Nom. operating cell temp. NOCT	45 ± 2°C

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.

