AUSTRALIAN SOLAR

AUSTRALIAN SOLAR INTERNATIONAL PTY. LTD.
56 Gatestone Road, Epping VIC, Australia
www.australiansolars.com

PRODUCT DATASHEET · BIFACIAL DUAL-GLASS

HJT Dual-Glass Module

132-Cell heterojunction · High-efficiency bifacial · Utility-scale

G12-132

POWER RANGE 720 - 730 W

ENGINEERED IN AUSTRALIA

DELIVERABLE POWER	DELIVERABLE EFFICIENCY
730 W	23.50 %

AS132A-XXX-FZ

HJT Technology
Lower resistance for higher cell efficiency and greater module power output.

Sealing with PIB
Stronger moisture resistance and greater airtightness extend module lifespan.

Better Temperature Coefficient
Temp. coefficient of −0.24 %/°C delivers higher yield under high temperatures.

Ideal for Utility-scale
Lower BOS and LCOE for higher project returns across large deployments.

COMPREHENSIVE PRODUCT & SYSTEM CERTIFICATION

TÜV CERTIFIED · CE · IEC 61215 / 61730

- ISO 9001 · Quality Management
- ISO 14001 · Environment Management
- ISO 45001 · Health & Safety Management

15 YEARS	30 YEARS
PRODUCT WARRANTY	LINEAR POWER WARRANTY

First-year output ≥99% · ≥90.3% retained at year 30

The module illustration is for reference only.

Engineering & Technical Data

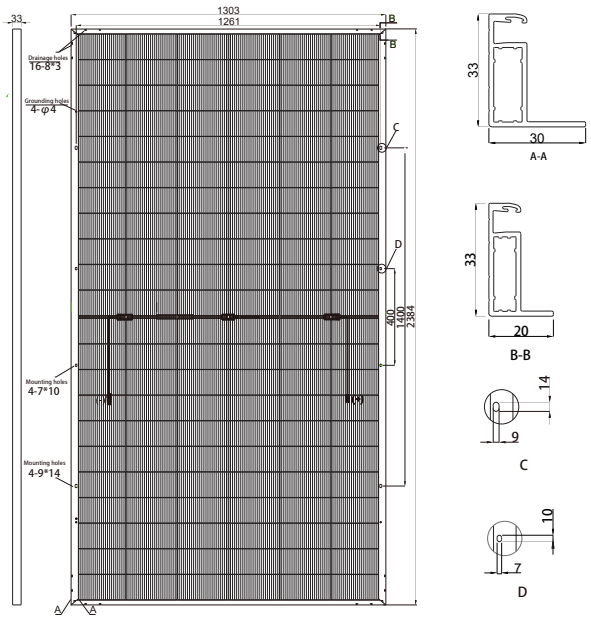
Model AS132A-XXX-FZ · 132-cell HJT bifacial dual-glass

ELECTRICAL CHARACTERISTICS

MODEL	720-FZ	725-FZ	730-FZ
STC – AM1.5, 1000 W/m², 25 °C			
Maximum Power Pmax (W)	720	725	730
Voltage at Pmax Vmp (V)	41.68	41.78	41.88
Current at Pmax Imp (A)	17.28	17.36	17.45
Open Circuit Voltage Voc (V)	48.84	48.91	48.98
Short Circuit Current Isc (A)	17.89	17.98	18.09
Module Efficiency (%)	23.18	23.34	23.50
BNPI – FRONT 1000 W/m², REAR 135 W/m², 25 °C			
Maximum Power Pmax (W)	812	818	824
Voltage at Pmax Vmp (V)	41.89	41.99	42.09
Current at Pmax Imp (A)	19.39	19.48	19.57
Open Circuit Voltage Voc (V)	49.09	49.16	49.23
Short Circuit Current Isc (A)	20.07	20.17	20.29

POWER TOLERANCE	MAX SYSTEM VOLTAGE	BIFACIALITY
0 ~ +5 W	1500 V	90% ± 5%

ENGINEERING DRAWING



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temp. (NOCT)	43 ± 2 °C
Temp. Coefficient of Pmax	–0.24 %/°C
Temp. Coefficient of Voc	–0.24 %/°C
Temp. Coefficient of Isc	+0.04 %/°C
Max. Series Fuse Rating	35 A
Operating Temperature	–40 ~ +85 °C

MECHANICAL CHARACTERISTICS

Cell Type	HJT, 210 × 105 mm
No. of Cells	132 pcs (6 × 22)
Superstrate	(F) 2.0 mm coated semi-tempered glass
Substrate	(B) 2.0 mm semi-tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4 mm², 300 mm (or customized); UV resistant
Connector	MC4 compatible
Dimensions	2384 × 1303 × 33 mm
Weight	37.5 kg
Max. Static Load	5400 Pa snow / 2400 Pa wind

PACKAGING

METHOD	MODULES / PALLET	PALLETS	MODULES
Flat-bed trailer 13 m	33	20	660
Flat-bed trailer 17.5 m	33	24	792
Container 40	33	18	594

Vehicle loading quantity is subject to the condition of transportation.

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