



Model: AS-132/12H-700W-BG

POWER OUTPUT

700W N-Type 132 Cell Bifacial HTJ Technology

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HTJ technology:
N-Type performance.
Bifaciality of 80%

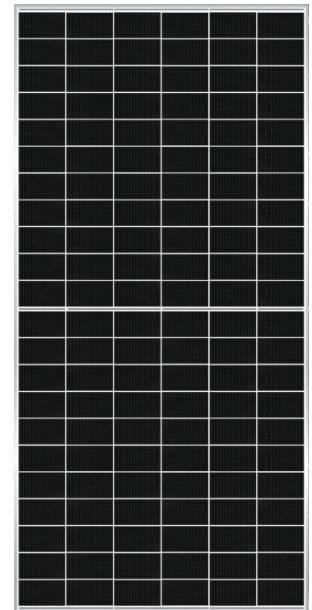
**Low Hot-Spot
Risk:** 1/2 current,
reducing the hot-spot
temperature

**Excellent loading
capability:** 2400Pa
wind loads, 5400Pa
snow loads, extra
support 8000Pa

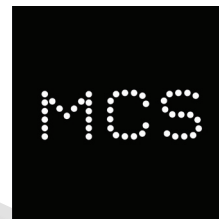
Low NMOT: As low
as 44°C, improving
the power
generation efficiency

**Half Cell, MBB
Technology:**
Series-then-parallel
cell connection
design, more
reliable soldering
technology

- Max Module Efficiency:
22.5%
- Weight:
38.7 Kgs
- Dimensions:
2384 x 1303x 35mm
- Monocrystalline
132 cells



30 year British warranty



30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



12 YEAR
PRODUCT
WARRANTY

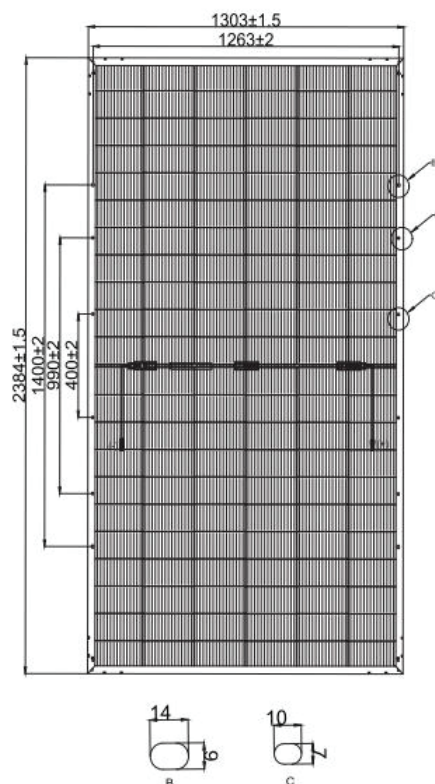
* Specifications are subject to change without further notification

Tier One Factory Produced

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700W

ENGINEERING DRAWING



ELECTRICAL CHARACTERISTICS

Module	AS-132/12H-700W-BG
Maximum Power at STC (Pmax)	700W
Open-Circuit Voltage (Voc)	50.13V
Short-Circuit Current (Isc)	17.43 A
Optimum Operating Voltage (Vmp)	42.10 V
Optimum Operating Current (Imp)	16.63 A
Module Efficiency	22.5 %
Power Tolerance	0 ~ +5W
Maximum System Voltage	1500Vdc (IEC /UL)
Maximum Series Fuse Rating	30A
Operating Temperature	-40°C to +85°C
NOCT	42±2°C

*STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s

MANAGEMENT SYSTEM



ISO 9001:
Quality management system



ISO 14001:
Standard for environmental management system



OHSAS 45001:
International standard for occupational health and safety assessment system

MECHANICAL CHARACTERISTICS

Solar Cells	Mono crystalline
No. of Cells	132 cells
Dimensions	2384 x 1303x 35mm
Weight	38.7 kgs
Front Glass	2.0 mm tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67/IP68 rated
Cable	1000 mm (±20%) length and 4mm ² section Fire Class I approval (UNI 9177)
Connectors	MC4 Compatible
Packaging Configuration	527pcs-truck

TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	γ (Pm)	-0.26%/K
Temperature Coefficient of Voc	β (Voc)	-0.25%/K
Temperature Coefficient of Isc	α (Isc)	0.04%/K