













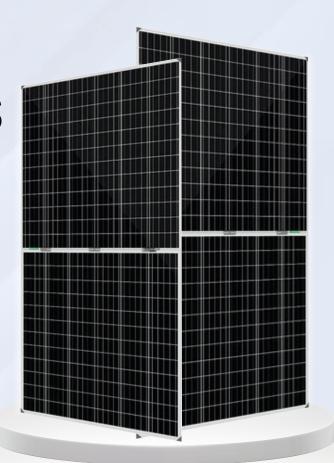
QUESTER SERIES

144 cells Mono-Perc Half cut Solar PV Module



WARRANTY FOR MATERIALS AND PROCESSING*

WARRANTY FOR LINEAR **POWER OUTPUT***



Product certifications:

IS 14286:2010 | IEC 61215: 2005 IS | IEC 61730-2:2004 IS | IEC 61730-1:2004 | IeC 62804 | IEC 61853 | IEC 61701

Salient features

- M10 cells for enhanced power generation
- Multi-busbar technology to minimize electrical losses
- Round ribbon connectors for improved light utilization
- Non-destructive cell cutting for improved reliability and lower chances of micro-cracks
- Half-cut cell technology for superior low-light performance.
- Also available in Bifacial technology enabling power generation from both the sides.















Mechanical Data

Specification	Data
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Cell Type Half cut Mono PERC

Cell Arrangement 24x6 Mono PERC Half Cut Cells

Dimensions 2278x1134x35 mm

Weight 29 Kg

Front Cover 3.2 mm ARC Glass

Anodized Aluminium Alloy Frame Material

Junction Box IP68 Split JB

Cable 4mm² (IEC) - 0.3 meter (Length)

Connectors MC4 Compatible

By-Pass Diodes 3 Pcs

OPERATING PARAMETERS

DESIGN (MM)

Operational Temperature: -40° C ~ +85° C

Power Output Tolerance: 0 ~ +5 W

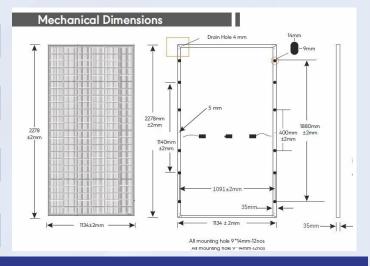
Voc and Isc Tolerance: 3%

Maximum System Voltage: DC1500V (IEC/UL)

Maximum Series Fuse Rating: 30A

Safety Protection Class: Class ||

Fire Rating: UL type 3



ELECTRICAL data - All data measured to STC

Model No	IBMPH-520	IBMPH-525	IBMPH-530	ІВМРН-535	IBMPH-540	IBMPH-545	IBMPH-550
Maximum Power (Pmax/W)	520	525	530	535	540	545	550
Open Circuit Voltage (Voc/V)	49.03	49.10	49.17	49.32	49.46	49.536	49.59
Short Circuit Current (Isc/A)	13.52	13.53	13.53	13.54	13.55	13.576	13.63
Voltage at Maximum Power (VMP/V)	42.04	42.12	42.19	42.33	42.48	42.552	42.60
Current at Maximum Power (Imp/A)	12.37	12.47	12.57	12.64	12.72	12.846	12.90
Module Efficiency (%)	20.12	20.32	20.52	20.71	20.91	21.15	21.28

1)STC:1000 W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3. Average relative efficiency reduction of 5% at 200 W/m² according to EN 60904-1.







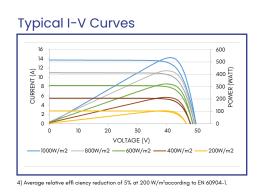








TEMPERATURE RATINGS (STC) MECHANICAL LOADING Calcutated **Parameter** Value Short circuit current a (%/C)....... 0.0213 Front Side Static Loading 5400Pa Rear Side Maximum Static Open circuit voltage β (%/C)...... -0.0415 2400Pa Loading 25mm Hailstone at the δ (%/C)..... Peak power -0.2111 Hailstone Test speed of 23m/s



Performance Warranty 80% 70% YEAR

INDUSTRY LEADING PROTECTION



EXCELLENT EFFICIENCY



LOW-LIGHT **PERFORMANCE**



HIGH SAVING



PID RESISTANCE



IP68 JUNCTION



REDUCED RISK



Ideal for Large scale Installations



High Power



Better shading tolerance



Lower LCOE & system cost



Excellent temperature performance



Non-destructive cutting

**Refer to IB Solar Warranty Document For Terms & Conditions

CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT. Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.

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