

AG-M144-B - 440 Wp

High performance module with „halfcut“ cells

144 cells

BLACK EDITION

Electrical Specification (STC)

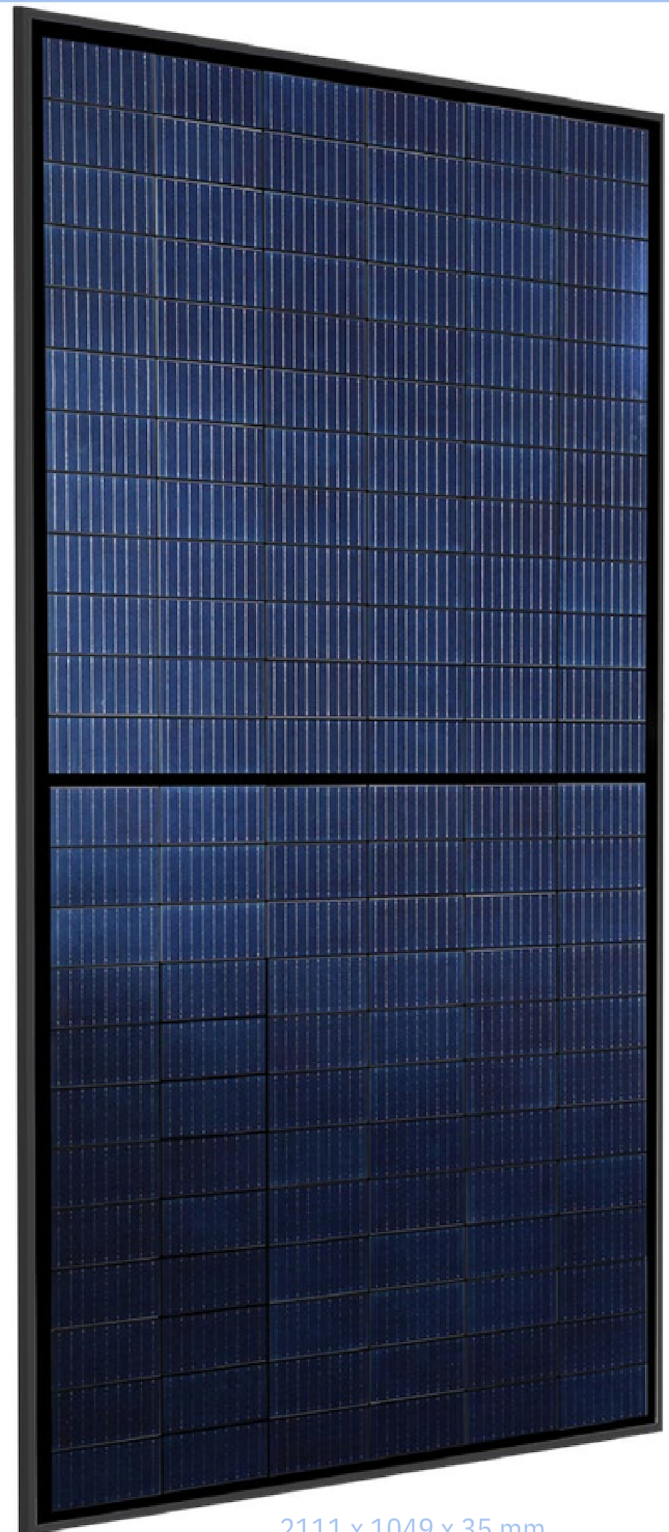
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|---------------------------------|------------------|
| Maximum Power at (Pmax) | 440 Wp |
| Optimum Operating Voltage (Vmp) | 41.2 V |
| Optimum Operating Current (Imp) | 10.69 A |
| Open Circuit Voltage (Voc) | 49.0 V |
| Short Circuit Current (Isc) | 11.30 A |
| Module Efficiency | 19.9 % |
| Maximum System Voltage | 1500 V DC (IEC) |
| Operating Module Temperature | -40 °C to +85 °C |
| Maximum Series Fuse Rating | 20 A |
| Power Tolerance | 0/+5 W |

Temperature Specification

| | |
|---|------------|
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |
| Temperature Coefficient of Pmax | -0.36 %/°C |
| Temperature Coefficient of Voc | -0.29 %/°C |
| Temperature Coefficient of Isc | 0.04 %/°C |

Mechanical Specification

| | |
|-------------------|---|
| Solar Cell | M6: 166 x 83 mm monocrystalline halfcut, |
| No. of Cells | 9BB 144 (6 x 24) |
| Dimensions Size 2 | 2111 x 1049 x 35 mm (with frame) |
| Weight Size 2 | 23.5 kg |
| Front Cover | 3.2 mm low-iron tempered glass |
| Junction Box | IP68 rated (three bypass diodes) |
| Output Cables | 4.0 mm ² , symmetrical lengths (1130 mm) |
| Connectors | MC4 compatible |
| Fire Safety Class | Class C |



2111 x 1049 x 35 mm
± 2 mm

Packing Configuration

40' HC Container

Pieces per pallet / Container 32 / 832