

# AG-M144 - 450 Wp

High performance module with „halfcut“ cells

144 cells

## Electrical Specification (STC)

Maximum Power at (Pmax)	450 Wp
Optimum Operating Voltage (Vmp)	41.7 V
Optimum Operating Current (Imp)	10.79 A
Open Circuit Voltage (Voc)	49.7 V
Short Circuit Current (Isc)	11.38 A
Module Efficiency	20.3 %
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 <sup>2</sup> , symmetrical lengths (1130 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

40' HC Container

Pieces per pallet / Container	32 / 832
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2111 x 1049 x 35 mm  
± 2 mm

