





MEGATRON®

HZS-460W SERIES

Monocrystalline N-Type Half-Cell Solar Module

The Megatron HZS-460W is a high-efficiency monocrystalline N-type half-cell solar module, built for reliable performance in residential, commercial, and industrial systems. With excellent power output, long-term durability, and resistance to harsh environments, it's a dependable choice for modern solar energy needs.

-  460W High Power Output
-  Monocrystalline N-Type Half-Cell Design
-  PID-free, Salt Mist & Ammonia Resistant
-  Excellent Low-Light Performance
-  1500V System Voltage Support
-  Ideal For All Installation Types



Electrical Characteristics

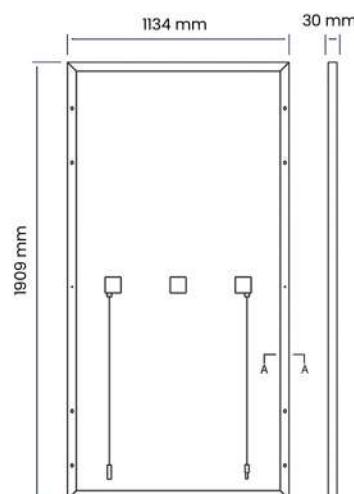
at STC (1000W/m², AM1.5, 25 °C)

Maximum Power (P _{max})	HZS-460W
Maximum Power Voltage (V _{mp})	41.4V
Maximum Power Current (I _{mp})	11.12A
Open Circuit Voltage (V _{oc})	50.92V
Short Circuit Current (I _{sc})	11.89A
Maximum System Voltage	1500V
Maximum Series Fuse	20A
Operating Temperature	-40°C - 85°C
Application Class	Class A
Years Of Service	> 90% after 10 years > 80% after 20 years

Mechanical Characteristics

Cell Type	Monocrystalline, 144 half-cell
Module Dimensions	1909 × 1134 × 30 mm
Front Glass	Tempered, anti-reflective
Frame	Aluminium alloy
Connector Type	MC4 or compatible
Junction Box	With 3 bypass diodes

Dimensions



Frame

Compact & Sturdy | 30 mm

Cells

144 Monocrystalline
N-Type

