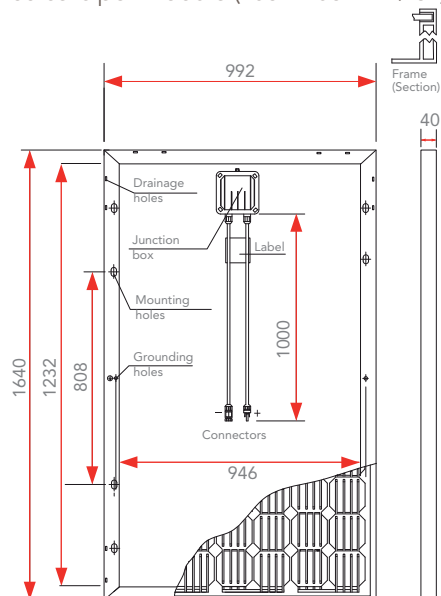


AS-M606B SOLAR MODULE

60 cells per module (156 x 156 mm / 6")



Module dimensions are expressed in mm with tolerance ± 2 mm (± 0.079 ")

TEMPERATURE CHARACTERISTICS:

NOCT	46°C \pm 2°C
P _{max} Temp. Coeff. (γ)	-0.427 %/°C
V _{oc} Temp. Coeff. (β)	-0.318 %/°C
I _{sc} Temp. Coeff. (α)	0.042 %/°C
Operating temperature	-40°C to + 85°C

PACKING CONFIGURATION:

Packing Config.	26 pcs / pallet
Loading Capacity	728 pcs / 40 ft HC

ELECTRICAL CHARACTERISTICS AT STC*:

Module Type: AS-M606B		270	275
Nominal Power (P _{max})	[Wp]	270	275
Tolerance on Nominal Power P _{max} **	[Wp]	-0 / +5	-0 / +5
Maximum Power Voltage (V _{mp})	[V]	31.15	31.43
Maximum Power Current (I _{mp})	[A]	8.67	8.75
Open Circuit Voltage (V _{oc})	[V]	38.37	38.74
Short Circuit Current (I _{sc})	[A]	9.23	9.30
Module Efficiency (η_m)		16.60%	16.90%
Maximum System Voltage	[V]	1000	1000
Series Fuse Maximum Rating	[A]	15	15

*Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C; Power measurement uncertainty within \pm 3%.

** AEG photovoltaic modules are classified according to a principle of positive power tolerance: the Power Output measured at STC of the delivered modules exceeds their assigned Nameplate Nominal Power at STC within a power tolerance range between -0 Wp and +5 Wp.

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MECHANICAL CHARACTERISTICS

Solar Cells	60 (6 x 10) monocrystalline silicon, 156 x 156 mm (6") solar cells
Front Glass	3.2 mm (0.13") high-transparency AR coating glass
Backsheet	Black backsheet
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy, black
Junction Box	IP67 rated, 3 bypass diodes
Cables	UV resistant solar cable 1000 mm (39.37"), sec. 4.0 mm ² (12 AWG)
Connectors	MC4 compatible connectors
Dimensions	1640 x 992 x 40 mm (64.5 x 39.1 x 1.57 ")
Weight	18.5 kg (40.8 lbs)
Max. Load	Wind load: 2400 Pa / Snow load: 5400 Pa

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