AEG

PHOTOVOLTAIC MODULE
AS-M602B

20 BUILT TO LAST:
20-YEAR
PRODUCT WARRANTY

300-310 Wp
60 MONOCRYSTALLINE CELLS

AEG solar modules combine the most advanced technology with high reliability in manufacture to offer you a product meant for high achievements

HIGH EFFICIENCY
WITH PERC TECHNOLOGY

AEG solar modules feature PERC coating, which allows you to gain extra efficiency and boost the performances of your solar plant. .

FULL BLACK,
PREMIUM LOOK

The careful selection of components (cells, backsheet and frames) ensures a premium product look and provides extra aesthetical value.

COMPREHENSIVELY CERTIFIED

AEG solar modules and production facilities are compliant with the the latest standards to guarantee safety and reliability. Production facilities are certified according to ISO 9001, ISO 14001 and OHSAS 18001. AEG solar products are certified among others by:

YOUR ADVANTAGE AT A GLANCE

Premium solar panel with quality components
High efficiency - up to 310 Wp
Product compliant with IEC 61215, IEC 61730
20 years Product warranty*
25 years linear Power warranty

www.aeg-industrialsolar.de

PHOTOVOLTAIC MODULE AS-M602B

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ELECTRICAL CHARACTERISTICS AT STC[1]

		AS-M602B-300	AS-M602B-305	AS-M602B-310
Nominal Power (Pmax)	[Wp]	300	305	310
Power Sorting[2]	[Wp]	-0 / +5	-0 / +5	-0 / +5
Maximum Power Voltage (Vmp)	[V]	33.19	33.38	33.57
Maximum Power Current (Imp)	[A]	9.05	9.15	9.25
Open Circuit Voltage (Voc)	[V]	40.90	41.06	41.23
Short Circuit Current (Isc)	[A]	9.44	9.54	9.64
Module Efficiency (ηm)		18.33%	18.63%	18.94%
Maximum System Voltage	[V]	1500	1500	1500
Series Fuse Maximum Rating	[A]	20	20	20

MECHANICAL CHARACTERISTICS

Solar cells	60 (6 x 10) monocrystalline silicon, 156.75 x 156.75 mm cells
Front glass	3.2 mm (0.12“) high-transparency AR coating glass
Backsheet	black
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy, black
Junction box	IP67/IP68
Cables	UVresistant cable, 1000 mm (39.37“), sec.4.0 mm²
Connectors	MC4 compatible connectors
Dimensions	1650 mm x 992 mm x 35 mm (64.9“ x 39“ x 1.37“)
Weight	18.2 kg (40.12 lbs)
Maximum load	Wind: 2400 Pa / Snow: 5400 Pa

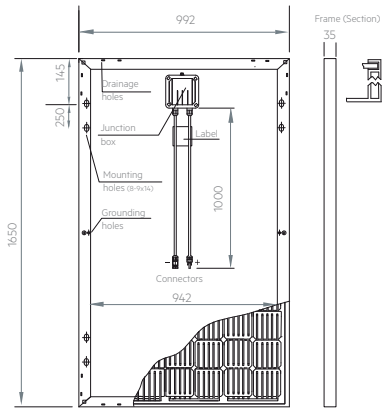
TEMPERATURE CHARACTERISTICS

NOCT	42°C ± 3°C
Pmax Temp. Coefficient (γ)	-0.365 %/°C
Voc Temp. Coefficient (β)	-0.270 %/°C
Isc Temp.Coefficient (α)	0.038 %/°C
Operating temperature	-40°C to + 85°C

PACKING CONFIGURATION

Packing configuration	31 pcs / pallet
Loading capacity	868 pcs / 40 ft HC

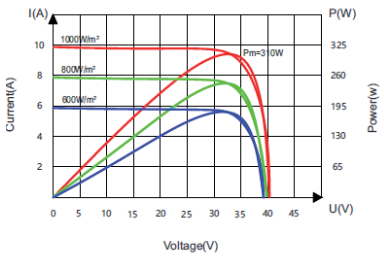
TECHNICAL DRAWINGS

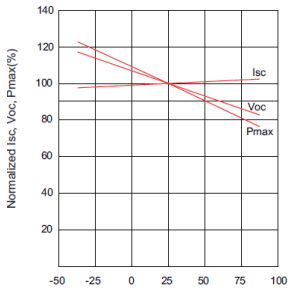


WARRANTIES

Product warranty	20 years**
Performance warranty	25 years, linear[3]

I-V CURVES / IRRADIANCES





Module dimensions in the technical picture are expressed in mm with tolerance ±2 mm (±0.079 “)
*and **-These Limited Warranty Terms apply for Benelux customers only. Full text of the Warranty Terms available at: www.solarsolutions-ws.com.
1 - Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C); Tolerance on Pmax ± 3%; Tolerance on Voc ± 3%; Tolerance on Isc ± 4%
2 - 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.
3 - No less than 97% of the minimum “Peak Power at STC”in the first year; power output decline no more than 0.7% per year thereafter. Full text of the Warranty Terms available at: www.solarsolutions-ws.com.

CONTACT US

VDH SOLAR

Distributor of AEG photovoltaic products in Benelux:
VDH Solar Groothandel B.V.

Finlandlaan 1 | 2391 PV Hazerswoude-Dorp, Holland |+31 (0)172 235 990 |
info@vdh-solar.nl | www.vdh-solar.nl / www.aeg-industrialsolar.de