AS-P604
SOLAR MODULE

POLYCRYSTALLINE CELLS
250 - 260 Wp

IMM INSIDE

Individual Module Monitoring

High-performance solar module featuring an integrated solution for optimal monitoring at module level of PV installations.

The ‚Individual Module Monitoring' (short: IMM) integrated in AEG Industrial Solar´s AS-P604 modules is an innovative technology designed for highly accurate monitoring at module level of the overall performances of whole PV installation, allowing for safe and consistent energy production as it increases the efficiency of the plant by up to 7% .

Thanks to IMM the efforts in monitoring the performance of the power plant are minimized, as this smart technology is able to detect problems and predict problem patterns from remote, allowing for tailored O&M interventions without the necessity to invest in expensive problem detection activities on site.

As a result,the yields from the power plant are maximised. AEG Industrial Solar encompasses a wide range of solar modules with fully-fledged certifications such as TÜV, UL, MCS among others to match with steadily high quality standards. All production facilities comply with the standards set out in ISO 9001, 14001 and OHSAS 18001. AS-P604 is further certified for high resistance against ammonia and salt mist.

Comprehensively certified

Excellent low light performance

Extended wind and snow load tests

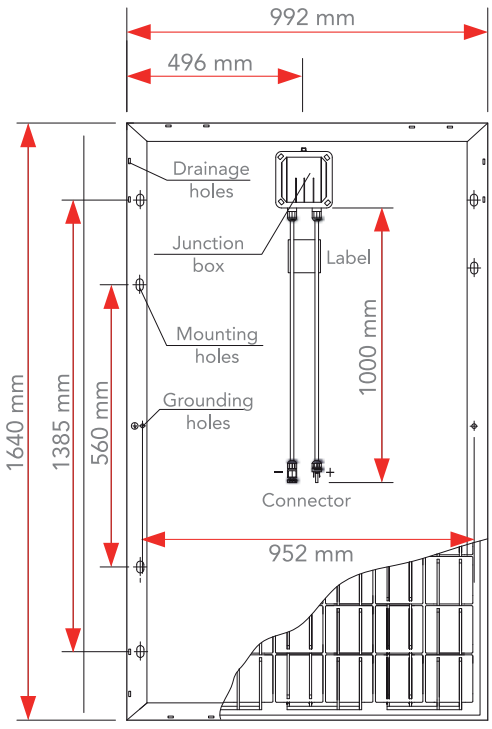
High module conversion efficiency

AEG

perfekt in form und funktion

AS-P604
SOLAR MODULE

Polycrystalline solar module
60 cells per module (156 x 156 mm)



PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC):

		AS-P604 250	AS-P604 255	AS-P604 260
Maximum power	P_{max}	250 Wp	255 Wp	260 Wp
Open circuit voltage	U_{oc}	37.5 V	37.9 V	38.2 V
Max. power voltage	U_{mpp}	30.0 V	30.2 V	30.5 V
Short circuit current	I_{sc}	8.88 A	8.95 A	9.04 A
Max. power current	I_{mpp}	8.35 A	8.45 A	8.54 A
Module efficiency	η_m	15.4 %	15.7 %	16.0 %

Measurement tolerance STC: ± 3 % (P_{max}), ± 10 % (U_{oc}, U_{mpp}, I_{sc}, I_{mpp}); values at standard test conditions (STC: air mass 1.5, irradiance 1000 W/m², cell temperature 25°C); temperature tolerance ± 2°C.

PERFORMANCE AT 800 W/m², NOCT, AM 1.5:

		AS-P604 250	AS-P604 255	AS-P604 260
Maximum power	P_{max}	183 Wp	186 Wp	190 Wp
Open circuit voltage	U_{o}	35.0 V	35.3 V	35.6 V
Max. power voltage	U_{mpp}	27.5 V	27.7 V	28.0 V
Short circuit current	I_{sc}	7.19 A	7.24 A	7.32 A
Max. power current	I_{mpp}	6.65 A	6.72 A	6.79 A

NOCT: irradiance 800 W/m², ambient temperature 20°C (± 2°C) and wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

NOCT	46°C ± 2°C
Temp. Coefficient P_{max}	-0.43 %/°C
Temp. Coefficient U_{oc}	-0.33 %/°C
Temp. Coefficient I_{sc}	0.06 %/°C
Operating Temperature	-40°C to 85°C

CHARACTERISTICS:

Dimensions	1640 mm x 992 mm x 40 mm	Cable	4 mm², 1000 mm
Weight	18.5 kg	Connector	MC4 compatible
Front cover	3.2 mm tempered glass	Packaging	26 (p) / 728 (c) pcs
Frame	Anodized Aluminum	System Voltage	1000 V (DC)
Junction Box	IP67, 3 diodes	Max. Series Fuse	15 A

Specifications are subject to change. Product code: AS-P604-G6S1 250-260, version 201511.1.EN

Solar Solutions PV GmbH
Ludwig-Feuerbach-Str. 69
90489 Nürnberg
Germany

www.aeg-industrialsolar.de

AEG
perfekt in form und funktion

AEG is a registered trademark used under license from AB Electrolux (publ).