



ACTIVESOL

PHOTOVOLTAIC MODULES

ASOL-270M-AB, ASOL-280M-AB



Positive power tolerance +3%



Product guarantee



Guarantee of linear efficiency



Fire resistance



Ammonia resistance



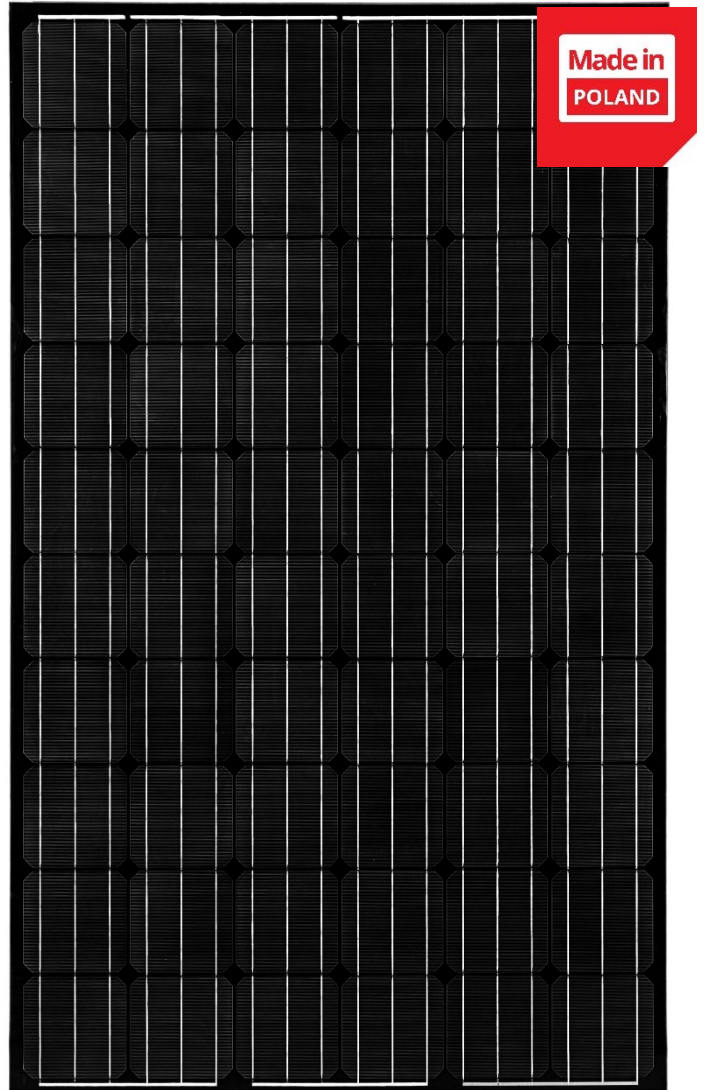
Wind pressure resistance
2400Pa



Snow load resistance 5400Pa



IEC 61215, EN 61730-1, EN 61730-2



TECHNICAL SPECIFICATION

ACTIVESOL STANDARD MONOCRYSTALLINE PHOTOVOLTAIC MODULES

ASOL-270M-AB-RHA, ASOL-280M-AB-RHA

ELECTRICAL PARAMETERS* STC

Module	ASOL-270M-AB-RHA	ASOL-280M-AB-RHA
Peak Power Pmax	270 Wp	280 Wp
Open Circuit Voltage Voc	37,70 V	38,00 V
Short Circuit Power Isc	9,28 A	9,45 A
Max. Power Voltage Vmp	30,90 V	31,40 V
Max. Power Current Imp	8,74 A	8,92 A
Power tolerance	0/+3%	0/+3%
Efficiency	16,51 %	17,13 %

Standard test conditions (STC): incident sunlight of 1000 W/m², cell temperature of 25°C, 1,5 AM

TEMPERATURE COEFFICIENT

Isc	+0,04 %/°C
Voc	-0,35 %/°C
P _{MAX}	-0,45 %/°C
NOCT	43±2 °C

Standard test conditions (STC): incident sunlight of 1000 W/m², cell temperature of 25°C, 1,5 AM

WORKING CONDITIONS

Max. load	IEC 5400 Pa
Class	A
Maximum series fuse rating	15 A

MECHANICAL PARAMETERS

Dimensions	1648 x 992 x 40 mm
Weight	19,00 kg
Glass	3,2 mm tempered
Encapsulate	Copolymer EVA
Cells	Polycrystalline Si, 4x9 (36 cells in series)
Backsheet	Multilayer

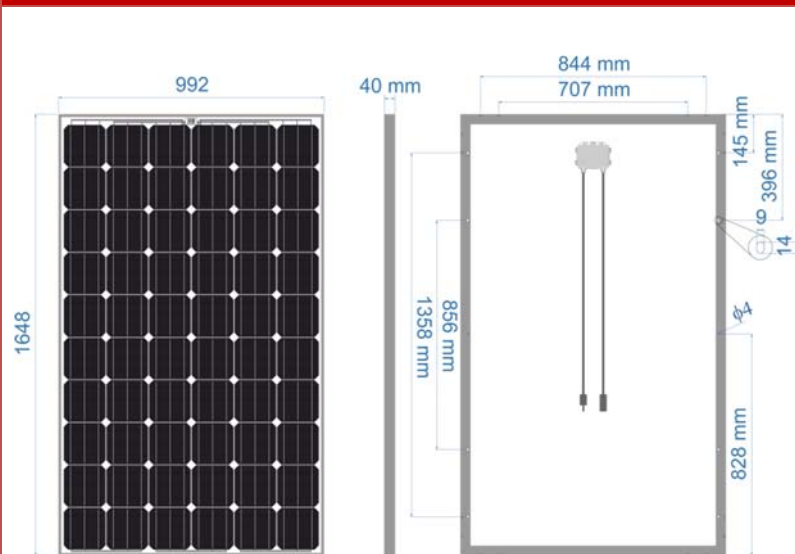
SYSTEM PARAMETERS

Operational conditions	85% RH, -40 → +85°C
Maximum system voltage	1000 VDC
Safety class	II
Hail	Max. diameter 25mm impact velocity 23m/s

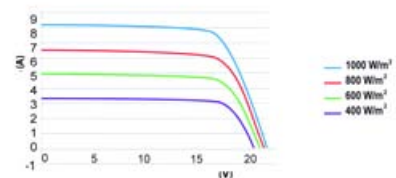
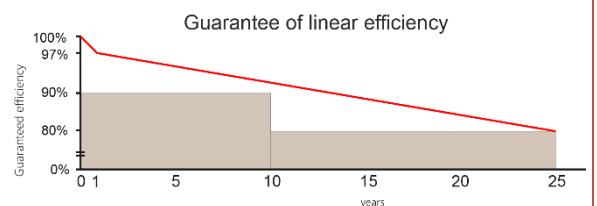
LEGEND

Frame	Anodized aluminum	A	Backsheet color	W – White, B - Black
Junction-box	IP65/ IP67 (with potting), 3 by-pass diodes	B	Frame color	S – Silver, B - Black
Cable	Cable 4mm ² , 1m, MC4 or compatible	RHA	Manufacturer internal code	

DIMENSIONS



GRAPHS



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