



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

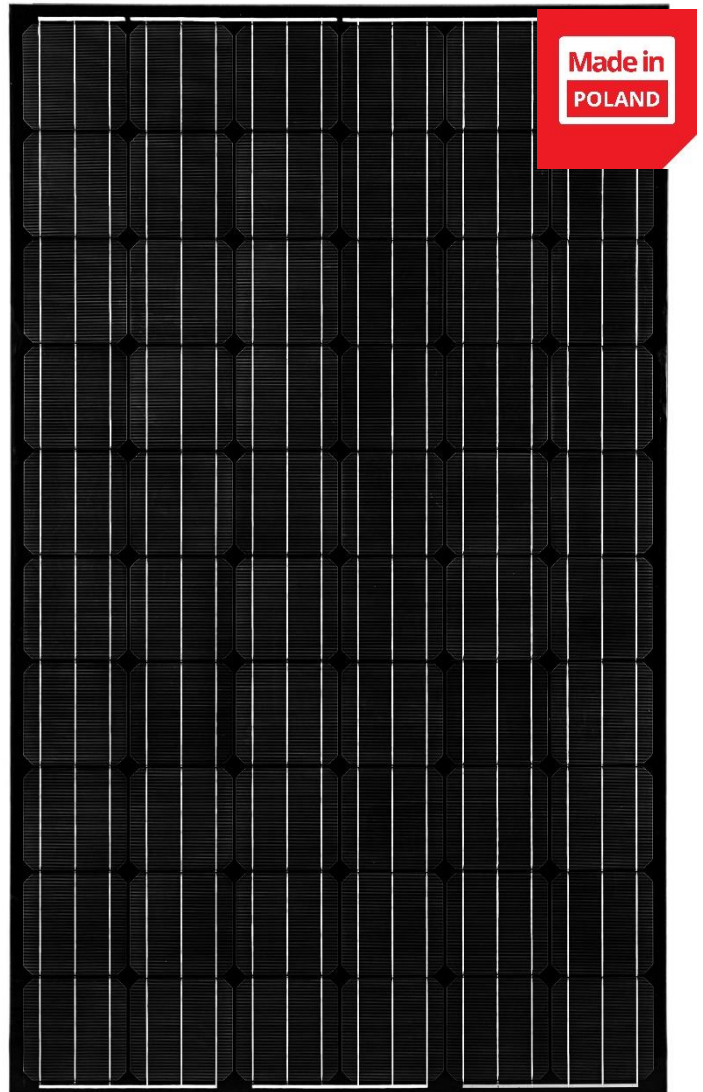


Snow load resistance 5400Pa



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

Made in
POLAND



CE



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	38,52 V
Short Circuit Power Isc	9,28 A	9,40 A
Max. Power Voltage Vmp	30,90 V	32,52 V
Max. Power Current Imp	8,74 A	8,91 A
Power tolerance	0/+3%	0/+3%
Efficiency	16,52 %	17,12 %

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

Electrical parameters on the product nameplate can slightly differ from specification data because of different batch of cells used in production

TEMPERATURE COEFFICIENT

Isc	+0,034 %/°C	Max. load	IEC 5400 Pa
Voc	-0,314 %/°C	Class	A
P _{MAX}	-0,336 %/°C	Maximum series fuse rating	15 A
NOCT	43±2 °C		

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

WORKING CONDITIONS

MECHANICAL PARAMETERS

Dimensions	1648 x 992 x 40 mm	Operational conditions	85% RH, -40 → +85°C
Weight	19,00 kg	Maximum system voltage	1000 VDC
Glass	3,2 mm tempered	Safety class	II
Encapsulate	Copolymer EVA	Hail	Max. diameter 25mm impact velocity 23m/s
Cells	monocrystalline Si, 6x10 (60 cells in series)		

SYSTEM PARAMETERS

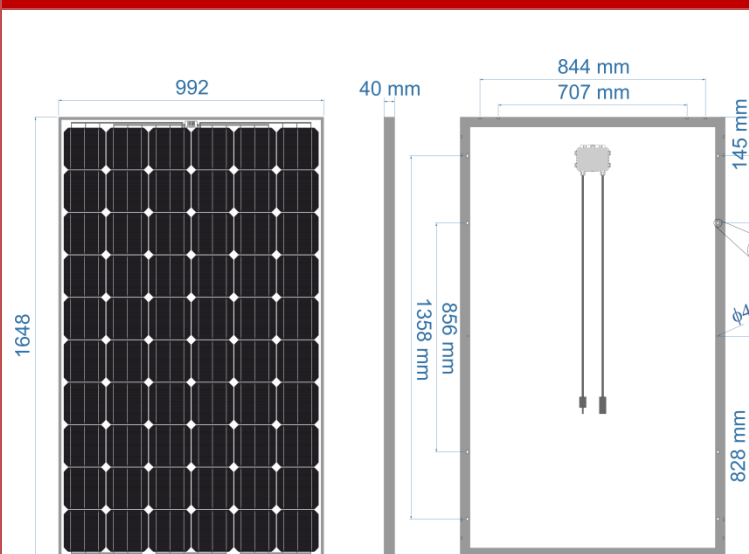
Backsheet

Multilayer

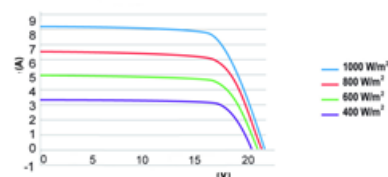
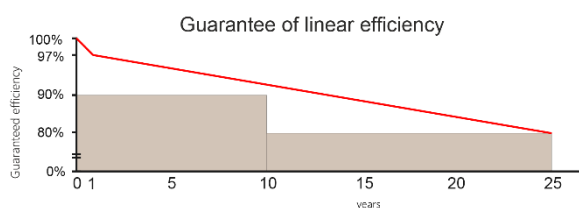
LEGEND

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



XDISC S.A. ■ 82c Jagiellońska St. ■ 03-301 Warsaw ■ T +48 22 100 14 21 ■ F +48 22 811 21 45 ■ E pv@x-disc.pl ■ www.xdisc.pl

