ACTIVESOL

# PHOTOVOLTAIC MODULES

## ASOL-150P-AB, ASOL-155P-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**


CE

XDISC®

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

# TECHNICAL SPECIFICATION

## ACTIVESOL STANDARD POLYCRYSTALLINE PHOTOVOLTAIC MODULES

## ASOL-150P-AB-*RHA*, ASOL-155P-AB-*RHA*

| ELECTRICAL PARAMETERS* STC | | |
|---|---|---|
| **Module** | **ASOL-150P-AB**-*RHA* | **ASOL-155P-AB**-*RHA* |
| **Peak Power Pmax** | 150 Wp | 155 Wp |
| **Open Circuit Voltage Voc** | 22,50 V | 22,79 V |
| **Short Circuit Power Isc** | 8,77 A | 8,76 A |
| **Max. Power Voltage Vmp** | 18,16 V | 19,15 V |
| **Max. Power Current Imp** | 8,26 A | 8,37 A |
| **Power tolerance** | 0/+3% | 0/+3% |
| **Efficiency** | 14,75 % | 15,24 % |

Standard test conditions (STC): incident sunlight of 1000 W/m², cell temperature of 25°C, 1.5 AM

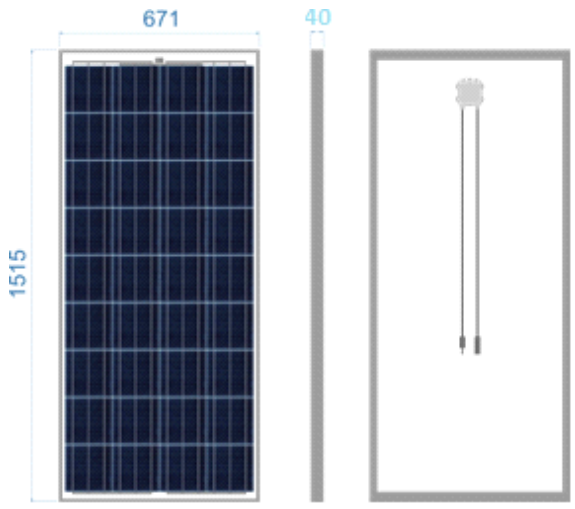
* Electrical parameters on the product nameplate can slightly differ from specification data because of different batch of cells used in production

| TEMPERATURE COEFFICIENT | | WORKING CONDITIONS | |
|---|---|---|---|
| $I_{SC}$ | +0,05 %/°C | Max. load | IEC 5400 Pa |
| $V_{OC}$ | -0,32 %/°C | Class | A |
| $P_{MAX}$ | -0,37 %/°C | Maximum series fuse rating | 15 A |
| **NOCT** | 43±2 °C | | |

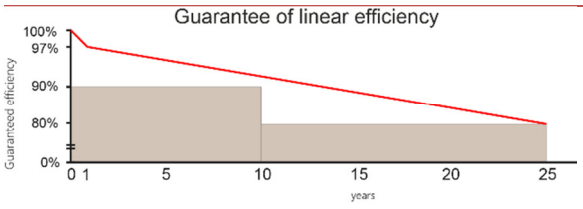
Test conditions : incident sunlight of 800 W/m², air temperature of 20°C, wind speed 1m/s,1.5 AM

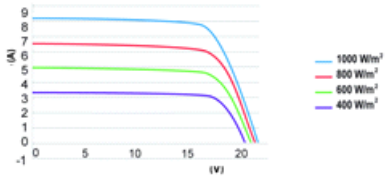
| MECHANICAL PARAMETERS | | SYSTEM PARAMETERS | |
|---|---|---|---|
| **Dimensions** | 1515 x 671 x 40mm | Operational conditions | 85% RH, -40 → +85°C |
| **Weight** | 12,8 kg | Maximum system voltage | 1000 VDC |
| **Glass** | 3,2 mm tempered | Safety class | II |
| **Encapsulate** | Copolymer EVA | Hail | Max. diameter 25mm impact velocity 23m/s |
| **Cells** | Polycrystalline Si, 4x9 (36 cells in series) | | |
| **Backsheet** | Multilayer | **LEGEND** | |
| **Frame** | Anodized aluminum | **A** Backsheet color | W – White, B - Black |
| **Junction-box** | IP65/ IP67 (with potting), 1 by-pass diode | **B** Frame color | S – Silver, B - Black |
| **Cable** | Cable 4mm², 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