



# ACTIVESOL

make use of natural power

## SEMI-FLEXIBLE PHOTOVOLTAIC PANELS

### NAVY-BLUE BIMINI SERIES

-  TOP EFFICIENCY THANKS TO RELIABLE „SUN POWER” BACK-CONTACT CELLS
-  CAN BE INSTALLED ON LESS STABLE SURFACES (e.g. FABRIC ROOFS)
-  RESISTANT TO SEA SALT
-  BETTER PERFORMACE AT LOW SUN ANGLE
-  EASY AND FAST INSTALLATION USING TAPE/GLUE/SCREWS



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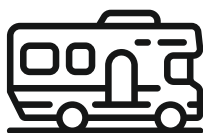
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# ACTIVESOL

## semi-flexible photovoltaic modules

### NAVY-BLUE BIMINI



## NBB-110B-WA

### ELECTRICAL PAREMETERS

|                                                                                                                       |          |
|-----------------------------------------------------------------------------------------------------------------------|----------|
| Peak Power [Pmax]                                                                                                     | 109 Wp   |
| Max. Power Voltage                                                                                                    | 19,4 V   |
| Max Power Current                                                                                                     | 5,6 A    |
| Open Circuit Voltage                                                                                                  | 22,9 V   |
| Short Circuit Current                                                                                                 | 6,0 A    |
| Module Efficiency                                                                                                     | 17,2%    |
| Power output tolerance                                                                                                | +/- 5%   |
| Values presented for STC (Standard test conditions): incident sunlight 1000 W/m2, solar cell temperature 25 °C, AM1.5 |          |
| Max system voltage                                                                                                    | 250 V DC |
| Max Series Fuse Rating                                                                                                | 12A      |

### TEMPERATURE COEFFICIENTS

|      |            |
|------|------------|
| Isc  | 0,045 %/K  |
| Voc  | -0,239 %/K |
| Pmax | -0,290 %/K |

### GENERAL INFORMATION

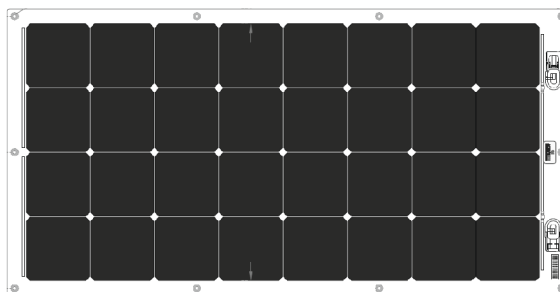
|                                |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Cell type                      | Interdigitated Back Contact                                                  |
| Junction Box *1                | MC4 Plug&Play type                                                           |
| Module thickness               | 3 mm                                                                         |
| Junction Box Thickness         | 15 mm                                                                        |
| Weight                         | 2,2 kg                                                                       |
| Dimensions *1                  | 1110 x 570 mm                                                                |
| Bending Radius                 | 1 m                                                                          |
| Anti-slippery surface/walkable | no/no                                                                        |
| Frontsheet *1                  | matt finish                                                                  |
| Backsheet *2                   | white                                                                        |
| Operating module temperature:  | -40 to +85 °C                                                                |
| Recommended use                | material bimini rooftops, mobile & marine including saline water environment |

|                                  |        |
|----------------------------------|--------|
| Approximate daily productivity*3 | 491 Wh |
| LED light                        | 49 h   |
| Laptop                           | 8 h    |
| 60 liter fridge                  | 6 h    |
| 40" TV                           | 7 h    |

\*1 Can be customized on demand (custom-made offer).

\*2 White/black/transparent available (custom-made offer).

\*3 Evalution based on climate of Canary islands with panels flat mounted, typical summer (PVGIS-SARAH2 model).



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