

# TECHNICAL SPECIFICATION

## FLEXIBLE PHOTOVOLTAIC MODULES ACTIVESOL LIGHT



|  | ASOLL-36P-<br>W0R                      | ASOLL-75P-<br>W0R       | ASOLL-90M-<br>W0R       | ASOLL-150P-<br>W0R       |
|--|--|-------------------------|-------------------------|--------------------------|
| <b>ELECTRICAL PARAMETERS</b>   |  |                         |                         |                          |
| Peak Power ( $P_{max}$ )   | <b>36 W<sub>p</sub></b>                | <b>75 W<sub>p</sub></b> | <b>90 W<sub>p</sub></b> | <b>150 W<sub>p</sub></b> |
| Max. Power Voltage ( $V_{mp}$ )  | 18,73 V                                | 18,73 V                 | 21,20V                  | 18,17 V                  |
| Max. Power Current ( $I_{mp}$ )  | 2,04A                                  | 4,08 A                  | 4,36 A                  | 8,21 A                   |
| Open Circuit Voltage ( $V_{oc}$ )  | 22,02 V                                | 22,02 V                 | 25,20 V                 | 22,05 V                  |
| Short Circuit Current ( $I_{sc}$ )   | 2,11 A                                 | 4,23 A                  | 4,63 A                  | 8,51 A                   |
| Module Efficiency  | 12,29 %                                | 13,46 %                 | 13,57%                  | 13,62 %                  |
| Power Output Tolerance   | ± 5%                                   |                         |                         |                          |
| Max. System Voltage  | 1000 V                                 |                         |                         |                          |
| Normal Operating Cell Temperature (NOCT)   | 45 °C                                  |                         |                         |                          |
| Max. Series Fuse Rating  | 15 A                                   |                         |                         |                          |
| By-pass Diodes (Q.ty)  | 1                                      |                         |                         |                          |
| <b>TEMPERATURE COEFFICIENTS</b>  |  |                         |                         |                          |
| $I_{sc}$   | 0,05 %/°C                              |                         | 0,034 %/°C              | 0,05 %/°C                |
| $V_{oc}$   | -0,32 %/°C                             |                         | -0,314 %/°C             | -0,32 %/°C               |
| $P_{MAX}$  | -0,37 %/°C                             |                         | -0,336 %/°C             | -0,37 %/°C               |
| <b>MECHANICAL PARAMETERS</b>   |  |                         |                         |                          |
| Cell Type  | Polycrystalline Si                     |                         | Monocrystalline Si      | Polycrystalline Si       |
| Cell Qty.  | 35                                     |                         | 40                      | 35                       |
| Socket   | IP65                                   |                         |                         |                          |
| Cables   | Solar cable 2,25 mm <sup>2</sup> , 2 m |                         |                         |                          |
| Module Thickness   | 2 mm                                   |                         |                         |                          |
| Junction Box Thickness   | 10 mm                                  |                         |                         |                          |
| Weight   | 0,81 kg                                | 1,35 kg                 | 1,60 kg                 | 2,45 kg                  |
| Dimensions (W/H)   | 356 x 823 mm                           | 668 x 834 mm            | 520 x 1275 mm           | 708 x 1555 mm            |
| Bending Radius   | 5 m                                    |                         |                         |                          |
| Hole Diameter  | 10 mm                                  |                         |                         |                          |
| <b>COLOR</b>   |  |                         |                         |                          |
| Backsheet  | white                                  |                         |                         |                          |
| Cells  | dark blue                              |                         |                         |                          |
| *Standard test conditions (STC): incident sunlight of 1000 W/m <sup>2</sup> , 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



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## FLEXIBLE PHOTOVOLTAIC MODULES

### ACTIVESOL ULTRA



|   | ASOLU-36P-<br>W0R                     | ASOLU-75P-<br>W0R       | ASOLU-90M-<br>W0R       | ASOLU-150P-<br>W0R       |
|---|---------------------------------------|-------------------------|-------------------------|--------------------------|
| <b>ELECTRICAL PARAMETERS</b>  |                                       |                         |                         |                          |
| Peak Power (P <sub>max</sub> )  | <b>36 W<sub>P</sub></b>               | <b>75 W<sub>P</sub></b> | <b>90 W<sub>P</sub></b> | <b>150 W<sub>P</sub></b> |
| Max. Power Voltage (V <sub>mp</sub> )   | 18,73 V                               | 18,73 V                 | 21,20V                  | 18,17 V                  |
| Max. Power Current (I <sub>mp</sub> )   | 2,04 A                                | 4,08 A                  | 4,36 A                  | 8,21 A                   |
| Open Circuit Voltage (V <sub>oc</sub> )   | 22,02 V                               | 22,02 V                 | 25,20 V                 | 22,05 V                  |
| Short Circuit Current (I <sub>sc</sub> )  | 2,11 A                                | 4,32 A                  | 4,63 A                  | 8,51 A                   |
| Module Efficiency   | 13,62 %                               | 14,63 %                 | 15,13 %                 | 14,98 %                  |
| Power Output Tolerance  | 0/+3%                                 |                         |                         |                          |
| Max. System Voltage   | 1000 V                                |                         |                         |                          |
| Normal Operating Cell Temperature (NOCT)  | 45°C                                  |                         |                         |                          |
| Max. Series Fuse Rating   | 15 A                                  |                         |                         |                          |
| By-pass Diodes (Q.ty)   | 1                                     |                         |                         |                          |
| <b>TEMPERATURE COEFFICIENTS</b>   |                                       |                         |                         |                          |
| I <sub>sc</sub>   | 0,05 %/°C                             |                         | 0,034 %/°C              | 0,05 %/°C                |
| V <sub>oc</sub>   | -0,32 %/°C                            |                         | -0,314 %/°C             | -0,32 %/°C               |
| P <sub>MAX</sub>  | -0,37 %/°C                            |                         | -0,336%/°C              | -0,37 %/°C               |
| <b>MECHANICAL PARAMETERS</b>  |                                       |                         |                         |                          |
| Cell Type   | Polycrystalline Si                    |                         | Monocrystalline Si      | Polycrystalline Si       |
| Cell Qty.   | 35                                    |                         | 40                      | 35                       |
| Socket  | IP65                                  |                         |                         |                          |
| Cables  | Solar cable 2,5 mm <sup>2</sup> , 2 m |                         |                         |                          |
| Module Thickness  | 3 mm                                  |                         |                         |                          |
| Junction Box Thickness  | 10 mm                                 |                         |                         |                          |
| Weight  | 1,01 kg                               | 1,96 kg                 | 2,30kg                  | 4,00 kg                  |
| Dimensions (W/H)  | 341 x 775 mm                          | 653 x 785 mm            | 500 x 1190 mm           | 675 x 1495 mm            |
| Bending Radius  | 5 m                                   |                         |                         |                          |
| Hole Diameter   | 10 mm                                 |                         |                         |                          |
| <b>COLOR</b>  |                                       |                         |                         |                          |
| Backsheet   | white                                 |                         |                         |                          |
| Cells   | dark blue                             |                         |                         |                          |
| * Standard test conditions (STC): incident sunlight of 1000 W/m <sup>2</sup> , 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

