

TECHNICAL SPECIFICATION

FLEXIBLE PHOTOVOLTAIC MODULES ACTIVESOL LIGHT



| | ASOLL-36P- W0R | ASOLL-75P- W0R | ASOLL-90M- W0R | ASOLL-150P- W0R |
|--|--|-------------------------|-------------------------|--------------------------|
| ELECTRICAL PARAMETERS | | | | |
| Peak Power (P_{max}) | 36 W_p | 75 W_p | 90 W_p | 150 W_p |
| 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 | | | |
| TEMPERATURE COEFFICIENTS | | | | |
| 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 |
| MECHANICAL PARAMETERS | | | | |
| Cell Type | Polycrystalline Si | | Monocrystalline Si | Polycrystalline Si |
| Cell Qty. | 35 | | 40 | 35 |
| Socket | IP65 | | | |
| Cables | Solar cable 2,25 mm ² , 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 | | | |
| COLOR | | | | |
| Backsheet | white | | | |
| Cells | dark blue | | | |
| *Standard test conditions (STC): incident sunlight of 1000 W/m ² , 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



TECHNICAL SPECIFICATION

FLEXIBLE PHOTOVOLTAIC MODULES

ACTIVESOL ULTRA



| | ASOLU-36P- W0R | ASOLU-75P- W0R | ASOLU-90M- W0R | ASOLU-150P- W0R |
|---|---------------------------------------|-------------------------|-------------------------|--------------------------|
| ELECTRICAL PARAMETERS | | | | |
| Peak Power (P _{max}) | 36 W_p | 75 W_p | 90 W_p | 150 W_p |
| Max. Power Voltage (V _{mp}) | 18,73 V | 18,73 V | 21,20V | 18,17 V |
| Max. Power Current (I _{mp}) | 2,04 A | 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 | 4,32 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 | | | |
| TEMPERATURE COEFFICIENTS | | | | |
| 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 |
| MECHANICAL PARAMETERS | | | | |
| Cell Type | Polycrystalline Si | | Monocrystalline Si | Polycrystalline Si |
| Cell Qty. | 35 | | 40 | 35 |
| Socket | IP65 | | | |
| Cables | Solar cable 2,5 mm ² , 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 | | | |
| COLOR | | | | |
| Backsheet | white | | | |
| Cells | dark blue | | | |
| * Standard test conditions (STC): incident sunlight of 1000 W/m ² , 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

