



MODEL SV60



-  Premium quality
-  Power output range 255-275 Wp
-  100% EL testing
-  Mechanical load up to 5400 Pa
-  Low weight
-  Module efficiency up to 16,90 %
-  Positive power tolerance -0/+4,9 W
-  Made in Europe
-  IEC EN 61215
IEC EN 61730-1, -2
-  IEC EN 62716 Ed.1
-  IEC EN 61701
-  IEC TS 62804-1
(PID resistance)

Warranty:

- 10** years manufacturing defects
- 12** years limited, 90% output power
- 25** years limited, 80% output power



| Electrical parameters at Standard Test Conditions (STC) | | | | | | |
|---------------------------------------------------------|-----|----------|----------|----------|----------|----------|
| MODEL | | SV60-255 | SV60-260 | SV60-265 | SV60-270 | SV60-275 |
| Peak power P_{MPP} | [W] | 255 | 260 | 265 | 270 | 275 |
| Peak power tolerance | [W] | -0/+4,9 | | | | |
| Short circuit current I_{SC} | [A] | 8,61 | 8,63 | 8,74 | 8,80 | 8,87 |
| Open circuit voltage V_{OC} | [V] | 37,02 | 37,20 | 37,92 | 38,10 | 38,40 |
| Rated current I_{MPP} | [A] | 8,22 | 8,28 | 8,37 | 8,43 | 8,50 |
| Rated voltage V_{MPP} | [V] | 31,31 | 31,44 | 31,82 | 32,16 | 32,38 |
| Current and voltage tolerance | [%] | ± 3 | | | | |
| Module efficiency | [%] | 15,67 | 15,98 | 16,29 | 16,60 | 16,90 |

STC: 1000W/m² irradiance, 25 °C cell temperature, AM1, 5 g spectrum according to EN 60904-3
Average relative efficiency reduction of 3,4 % at 200 W/m² according to EN 60904-1

| Electrical parameters at Nominal Operating Cell Temperature (NOCT) | | | | | | |
|--------------------------------------------------------------------|-----|----------|----------|----------|----------|----------|
| MODEL | | SV60-255 | SV60-260 | SV60-265 | SV60-270 | SV60-275 |
| Peak power P_{MPP} | [W] | 185,8 | 187,9 | 192,2 | 195,7 | 198,7 |
| Peak power tolerance | [W] | -0/+4,9 | | | | |
| Short circuit current I_{SC} | [A] | 6,96 | 6,98 | 7,07 | 7,11 | 7,17 |
| Open circuit voltage V_{OC} | [V] | 33,7 | 33,9 | 34,5 | 34,7 | 35,0 |
| Rated current I_{MPP} | [A] | 6,66 | 6,69 | 6,77 | 6,82 | 6,87 |
| Rated voltage V_{MPP} | [V] | 27,9 | 28,1 | 28,4 | 28,7 | 28,9 |

NOCT: module operating parameters at 800 W/m² irradiance, 20 °C ambient temperature, 1 m/s wind speed

| MECHANICAL DATA | |
|------------------------|--------------------------------------------------------------------|
| Dimensions (H x W x D) | [mm] 1640 x 992 x 40 |
| Weight | [kg] 18,3 |
| Solar cells | 60 cells, polycrystalline Si, 156 x 156 mm +/- 1mm |
| Cells encapsulation | Ethylene vinyl acetate (EVA) |
| Front | Tempered solar glass, 3,2 mm |
| Back | Composite polyester Film |
| Frame | Anodized aluminium frame with twin-wall profile and drainage holes |
| Junction box | IP67 with 3 Bypass diodes, |
| Cable and connectors | Solar cable 4 mm ² , length 1200 mm |

NOTE: For extended models, SV60 YYY, voltages and currents can vary where YYY is optional based on the chosen YYY variant (YYY = letter(s), F for black frame, B for silver frame and black backsheet, BC for full black module)

| OPERATING CONDITIONS | | |
|-------------------------------|------|-------------------------------------------------|
| Temperature range | [°C] | -40 to +85 |
| Maximum system voltage | [V] | 1000 |
| Max. series fuse rating | | 15A |
| Limiting reverse current | | 15A |
| Maximum surface load capacity | | 5400 Pa (Snow load) |
| Resistance against hail | | Max. diameter of 25 mm with impact speed 23 m/s |

| THERMAL CHARACTERISTICS | | |
|--------------------------------------|-------|-------|
| Temperature coefficient of P_{MPP} | [%/K] | -0,41 |
| Temperature coefficient of I_{SC} | [%/K] | 0,05 |
| Temperature coefficient of V_{OC} | [%/K] | -0,31 |

