



MODEL SV60 E



-  Premium quality
-  Power output range 320-330 Wp
-  100% EL testing
-  Mechanical load up to 5400 Pa
-  Low weight
-  Module efficiency up to 19,88 %
-  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 | | SV60-320 E | SV60-325 E | SV60-330 E |
| Peak power P_{MPP} | [W] | 320 | 325 | 330 |
| Peak power tolerance | [W] | | -0/+4,9 | |
| Short circuit current I_{SC} | [A] | 10,15 | 10,24 | 10,30 |
| Open circuit voltage V_{OC} | [V] | 40,02 | 40,14 | 40,50 |
| Rated current I_{MPP} | [A] | 9,55 | 9,66 | 9,74 |
| Rated voltage V_{MPP} | [V] | 33,64 | 33,67 | 33,88 |
| Current and voltage tolerance | [%] | | ± 3 | |
| Module efficiency | [%] | 19,28 | 19,58 | 19,88 |

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 | | SV60-320 E | SV60-325 E | SV60-330 E |
| Peak power P_{MPP} | [W] | 233,8 | 236,7 | 240,1 |
| Peak power tolerance | [W] | | -0/+4,9 | |
| Short circuit current I_{SC} | [A] | 8,15 | 8,22 | 8,27 |
| Open circuit voltage V_{OC} | [V] | 36,8 | 36,9 | 37,2 |
| Rated current I_{MPP} | [A] | 7,64 | 7,74 | 7,80 |
| Rated voltage V_{MPP} | [V] | 30,6 | 30,6 | 30,8 |

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] 1660 x 1000 x 35 |
| Weight | [kg] 18,9 |
| Solar cells | 60 cells, monocrystalline Si (PERC), 157 x 157 mm +/- 2mm |
| 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 E 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] | -0,42 |
| Temperature coefficient of I_{SC} | [%/K] | 0,05 |
| Temperature coefficient of V_{OC} | [%/K] | -0,33 |

