



MODEL SV72 E



-  Premium quality
-  Power output range 330 - 345 Wp
-  100% EL testing
-  Mechanical load up to 5400 Pa
-  Low weight
-  Module efficiency up to 17,73 %
-  Positive power tolerance -0/+4,9 W
-  Made in Europe
-  IEC EN 61215 certified
-  IEC EN 61730 - 1 certified
-  IEC EN 61730 - 2 certified
-  PID test passed

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	SV72-330 E	SV72-335 E	SV72-340 E	SV72-345 E
Peak power P_{MPP} [W]	330	335	340	345
Peak power tolerance [W]	-0/+4,9			
Short circuit current I_{SC} [A]	9,54	9,56	9,59	9,64
Open circuit voltage V_{OC} [V]	46,0	46,2	46,4	46,6
Rated current I_{MPP} [A]	8,80	8,89	8,96	9,04
Rated voltage V_{MPP} [V]	37,9	37,9	38,0	38,2
Current and voltage tolerance [%]	± 3			
Module efficiency [%]	16,96	17,21	17,47	17,73

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	SV72-330 E	SV72-335 E	SV72-340 E	SV72-345 E
Peak power P_{MPP} [W]	241,86	244,98	246,90	250,44
Peak power tolerance [W]	-0/+4,9			
Short circuit current I_{SC} [A]	7,66	7,67	7,70	7,74
Open circuit voltage V_{OC} [V]	42,4	42,6	42,8	43,0
Rated current I_{MPP} [A]	6,96	7,03	7,09	7,15
Rated voltage V_{MPP} [V]	34,6	34,6	34,7	34,9

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]	1962 x 992 x 40
Weight [kg]	22,5
Solar cells	72 cells, monocrystalline Si, 156 x 156 mm
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 1000 mm, MC4 compatible connectors

NOTE: For extended models, SV72 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	Maximum 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	

