



MODEL SV72 E



Premium quality



Power output
range 375-390 Wp



100% EL testing



Mechanical load
up to 5400 Pa



Low weight



Module efficiency
up to 19,69 %



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		SV72-375 E	SV72-380 E	SV72-385 E	SV72-390 E
Peak power P_{MPP}	[W]	375	380	385	390
Peak power tolerance	[W]	-0/+4,9			
Short circuit current I_{SC}	[A]	10,18	10,24	10,28	10,37
Open circuit voltage V_{OC}	[V]	47,88	47,96	48,03	48,17
Rated current I_{MPP}	[A]	9,64	9,64	9,67	9,78
Rated voltage V_{MPP}	[V]	38,91	39,64	39,88	39,93
Current and voltage tolerance	[%]	± 3			
Module efficiency	[%]	18,93	19,18	19,43	19,69

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		SV72-375 E	SV72-380 E	SV72-385 E	SV72-390 E
Peak power P_{MPP}	[W]	273,0	278,1	280,6	284,2
Peak power tolerance	[W]	-0/+4,9			
Short circuit current I_{SC}	[A]	8,18	8,22	8,26	8,33
Open circuit voltage V_{OC}	[V]	44,0	44,1	44,2	44,3
Rated current I_{MPP}	[A]	7,71	7,72	7,73	7,83
Rated voltage V_{MPP}	[V]	35,4	36,0	36,3	36,3

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] 1981 x 1000x 40
Weight	[kg] 23,0
Solar cells	72 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 1100 mm

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		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

