



MODEL SV36



Premium quality



Power output
range 170-175 Wp



100% EL testing



Mechanical load
up to 5400 Pa



Low weight



Module efficiency
up to 17,40 %



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		SV36-170	SV36-175
Peak power P_{MPP}	[W]	170	175
Peak power tolerance	[W]	-0/+4,9	
Short circuit current I_{SC}	[A]	9,05	9,14
Open circuit voltage V_{OC}	[V]	23,76	24,05
Rated current I_{MPP}	[A]	8,61	8,70
Rated voltage V_{MPP}	[V]	19,79	20,19
Current and voltage tolerance	[%]	± 3	
Module efficiency	[%]	16,90	17,40

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		SV36-170	SV36-175
Peak power P_{MPP}	[W]	123,0	126,8
Peak power tolerance	[W]	-0/+4,9	
Short circuit current I_{SC}	[A]	7,32	7,39
Open circuit voltage V_{OC}	[V]	21,6	21,9
Rated current I_{MPP}	[A]	6,95	7,04
Rated voltage V_{MPP}	[V]	17,7	18,0

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] 1014 x 992 x 35
Weight	[kg] 14,0
Solar cells	36 cells, polycrystalline Si (PERC), 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, SV36 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

