



MODEL SV36 E

-  Premium quality
-  Power output range 160 - 170 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 certified
-  IEC EN 61730 - 1 certified
-  IEC EN 61730 - 2 certified
-  PID test passed



Warranty:

- 20** years manufacturing defects
- 15** years limited, 90% output power
- 30** years limited, 80% output power



Certificate Number B A B T 0715

Electrical parameters at Standard Test Conditions (STC)				
MODEL		SV36-160 E	SV36-165 E	SV36-170 E
Peak power P_{MPP}	[W]	160	165	170
Peak power tolerance	[W]	-0/+4,9		
Short circuit current I_{SC}	[A]	9,24	9,48	9,75
Open circuit voltage V_{OC}	[V]	22,9	23,0	23,2
Rated current I_{MPP}	[A]	8,58	8,82	9,13
Rated voltage V_{MPP}	[V]	18,7	18,7	18,8
Current and voltage tolerance	[%]	± 3		
Module efficiency	[%]	15,91	16,40	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		SV36-160 E	SV36-165 E	SV36-170 E
Peak power P_{MPP}	[W]	116,38	119,66	124,46
Peak power tolerance	[W]	-0/+4,9		
Short circuit current I_{SC}	[A]	7,42	7,62	7,83
Open circuit voltage V_{OC}	[V]	21,1	21,2	21,4
Rated current I_{MPP}	[A]	6,79	6,98	7,23
Rated voltage V_{MPP}	[V]	17,1	17,1	17,2

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] 1324 x 992 x 35
Weight	[kg] 14,0
Solar cells	36 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, SV36 EYYY, 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

