



## MODEL SV36



Premium quality



Power output  
range 150 - 160 Wp



100% EL testing



Mechanical load  
up to 5400 Pa



Low weight



Module efficiency  
up to 15,91 %



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



Certificate Number BABT 8715



P.I.D.  
D0125638-15001

v.20160503

Electrical parameters at Standard Test Conditions (STC)			
MODEL	SV36-150	SV36-155	SV36-160
Peak power P <sub>MPP</sub> [W]	150	155	160
Peak power tolerance [W]		-0/+4,9	
Short circuit current I <sub>SC</sub> [A]	8,62	8,82	9,05
Open circuit voltage V <sub>OC</sub> [V]	22,8	23,0	22,9
Rated current I <sub>MPP</sub> [A]	8,13	8,29	8,47
Rated voltage V <sub>MPP</sub> [V]	18,5	18,8	18,9
Current and voltage tolerance [%]		± 3	
Module efficiency [%]	14,91	15,41	15,91

STC: 1000W/m<sup>2</sup> irradiance, 25 °C cell temperature, AM1,5 g spectrum according to EN 60904-3

Average relative efficiency reduction of 3,4 % at 200 W/m<sup>2</sup> according to EN 60904-1

OPERATING CONDITIONS		
Temperature range [°C]	[°C]	-40 to +85
Maximum system voltage [V]	[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

#### Electrical parameters at Nominal Operating Cell Temperature (NOCT)

MODEL	SV36-150	SV36-155	SV36-160
Peak power P <sub>MPP</sub> [W]	109,11	112,98	116,12
Peak power tolerance [W]		-0/+4,9	
Short circuit current I <sub>SC</sub> [A]	6,92	7,09	7,27
Open circuit voltage V <sub>OC</sub> [V]	21,0	21,2	21,1
Rated current I <sub>MPP</sub> [A]	6,44	6,56	6,71
Rated voltage V <sub>MPP</sub> [V]	16,9	17,2	17,3

NOCT: module operating parameters at 800 W/m<sup>2</sup> 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, 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 <sup>2</sup> , length 1000 mm, MC4 compatible connectors

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)

