



MODEL SV60

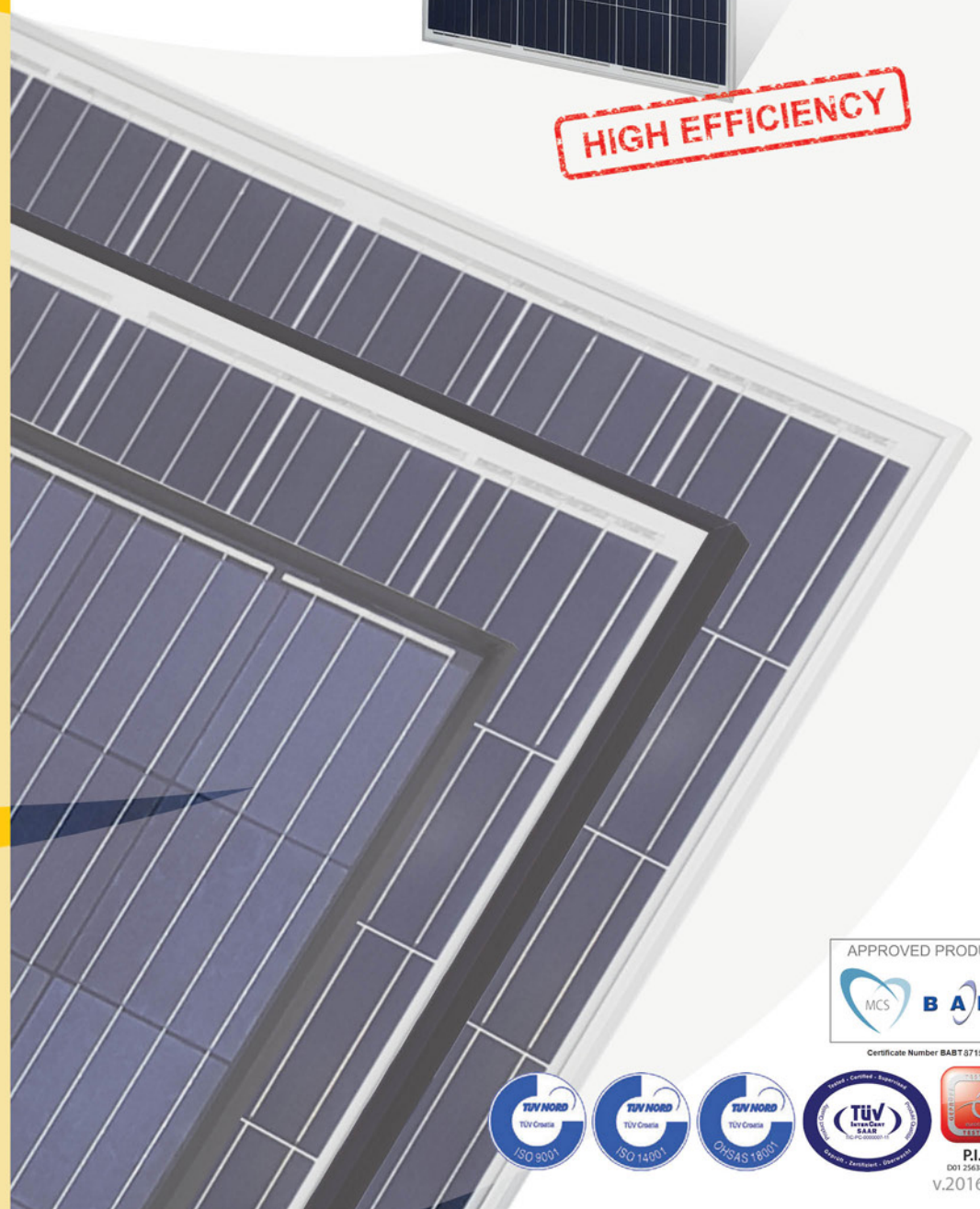


HIGH EFFICIENCY

-  Premium quality
-  Power output range 265 - 280 Wp
-  100% EL testing
-  Mechanical load up to 5400 Pa
-  Low weight
-  Module efficiency up to 17,11 %
-  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



APPROVED PRODUCT
 
 Certificate Number B A B T 8715

Electrical parameters at Standard Test Conditions (STC)				
MODEL	SV60-265	SV60-270	SV60-275	SV60-280
Peak power P_{MPP} [W]	265	270	275	280
Peak power tolerance [W]	-0/+4,9			
Short circuit current I_{SC} [A]	9,02	9,11	9,19	9,29
Open circuit voltage V_{OC} [V]	38,1	38,4	38,6	38,8
Rated current I_{MPP} [A]	8,45	8,58	8,66	8,76
Rated voltage V_{MPP} [V]	31,4	31,6	31,8	32,1
Current and voltage tolerance [%]	± 3			
Module efficiency [%]	16,19	16,50	16,80	17,11

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	SV60-265	SV60-270	SV60-275	SV60-280
Peak power P_{MPP} [W]	192,51	196,68	199,77	203,90
Peak power tolerance [W]	-0/+4,9			
Short circuit current I_{SC} [A]	7,24	7,32	7,38	7,47
Open circuit voltage V_{OC} [V]	35,2	35,4	35,6	35,8
Rated current I_{MPP} [A]	6,69	6,79	6,86	6,93
Rated voltage V_{MPP} [V]	28,7	28,9	29,1	29,4

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]	1650 x 992 x 40
Weight [kg]	18,7
Solar cells	60 cells, polycrystalline Si, 156 x 156 mm
Cells encapsulation	Ethylene vinyl acetate (EVA)
Front	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, SV60 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 black frame and black backsheet)

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]	-0,41
Temperature coefficient of I_{SC} [%/K]	0,05
Temperature coefficient of V_{OC} [%/K]	-0,31

