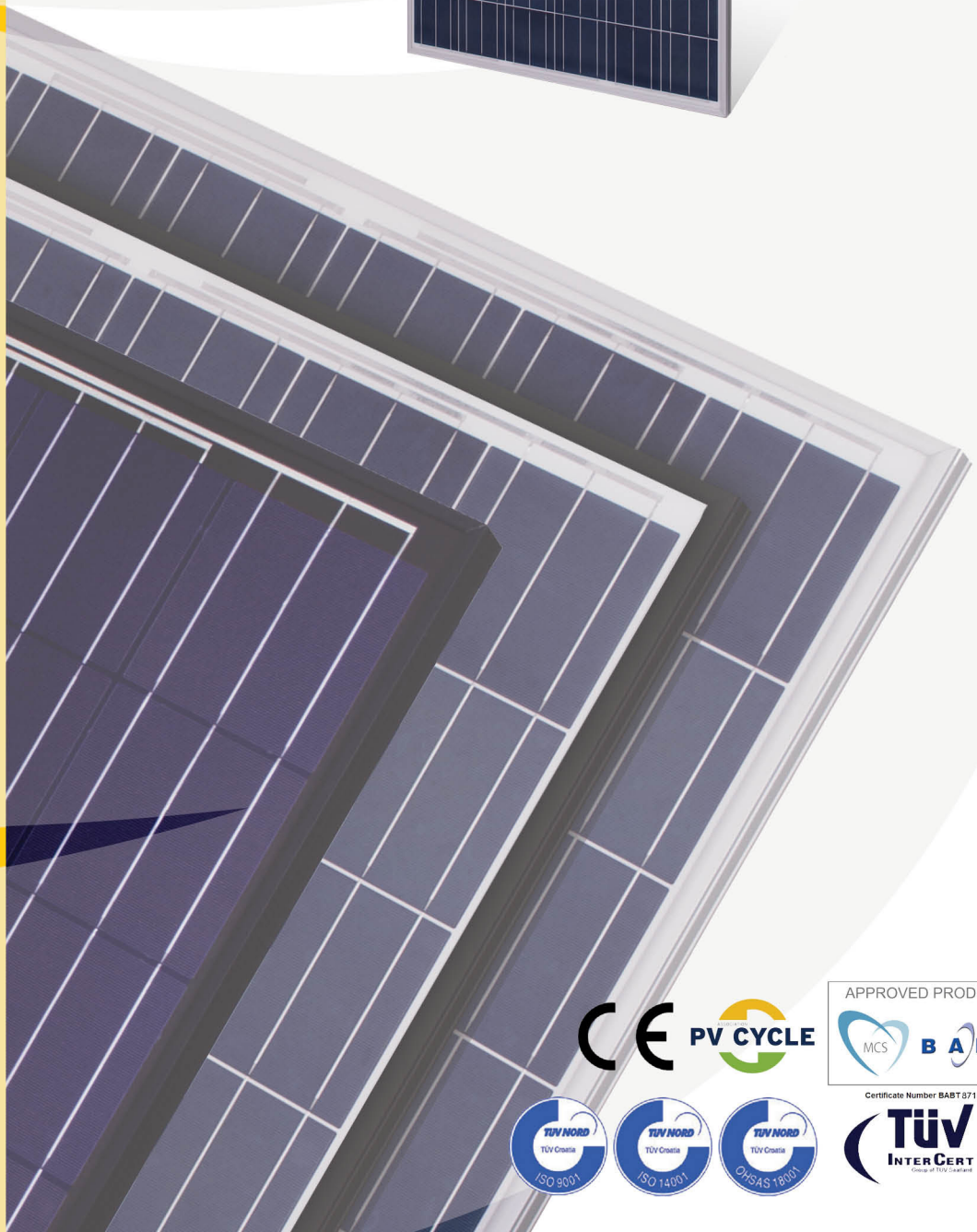
SOLVIS
PHOTOVOLTAIC MODULES

MODEL SV60



- Premium quality
- Power output range 245 - 260 Wp
- 100% EL testing
- Mechanical load up to 5400 Pa
- Low weight
- Module efficiency up to 15,88 %
- Positive power tolerance -0/+4,9 W
- Made in Europe
- IEC EN 61215 certified
- IEC EN 61730 - 1 certified
- IEC EN 61730 - 2 certified



Warranty:

- 10 years manufacturing defects
- 12 years limited, 90% output power
- 25 years limited, 80% output power

APPROVED PRODUCT
Certificate Number BABT 8715

SOLVIS
PHOTOVOLTAIC MODULES

Electrical parameters at Standard Test Conditions (STC)

MODEL		SV60-245	SV60-250	SV60-255	SV60-260
Peak power P_{MPP}	[W]	245	250	255	260
Peak power tolerance	[W]	-0/+4,9			
Short circuit current I_{SC}	[A]	8,76	8,79	8,88	8,95
Open circuit voltage V_{OC}	[V]	37,3	37,4	37,7	37,9
Rated current I_{MPP}	[A]	8,15	8,20	8,34	8,47
Rated voltage V_{MPP}	[V]	30,4	30,5	30,7	30,9
Current and voltage tolerance	[%]	± 3			
Module efficiency	[%]	14,97	15,27	15,58	15,88

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		SV60-245	SV60-250	SV60-255	SV60-260
Peak power P_{MPP}	[W]	179,6	181,3	185,6	189,9
Peak power tolerance	[W]	-0/+4,9			
Short circuit current I_{SC}	[A]	7,04	7,07	7,13	7,19
Open circuit voltage V_{OC}	[V]	34,4	34,5	34,8	35,0
Rated current I_{MPP}	[A]	6,45	6,49	6,60	6,71
Rated voltage V_{MPP}	[V]	27,8	27,9	28,1	28,3

NOCT: module operating parameters at 800 W/m² irradiance, 20 °C ambient temperature, 1 m/s wind speed

MECHANICAL DATA

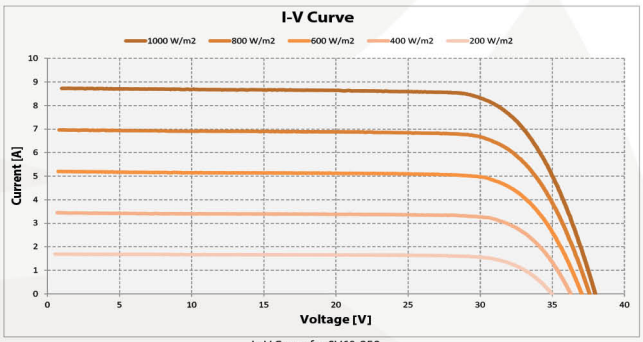
Dimensions (H x W x D)	[mm]	1650 x 992 x 40
Weight	[kg]	18,7
Solar cells		60 cells, polycrystalline Si, 156 x 156 mm
Cells encapsulation		Ethylene vinyl acetate (EVA)
Front		Solar glass, 3,2 mm
Back		Composite polyester Film
Frame		Anodized aluminium frame with twin-wall profile and drainage holes
Junction box		IP67 with 3 Bypass diodes
Cable and connectors		Solar cable 4 mm², length 1000 mm, MC4 compatible connectors

OPERATING CONDITIONS

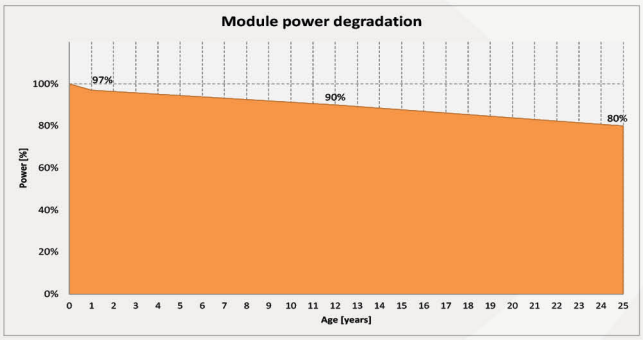
Temperature range	[°C]	-40 to +85
Maximum system voltage	[V]	1000
Max. series fuse rating		13A
Limiting reverse current		13A
Maximum surface load capacity		5400 Pa (Snow load)
Resistance against hail		Maximum diameter of 25 mm with impact speed 23 m/s

THERMAL CHARACTERISTICS

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

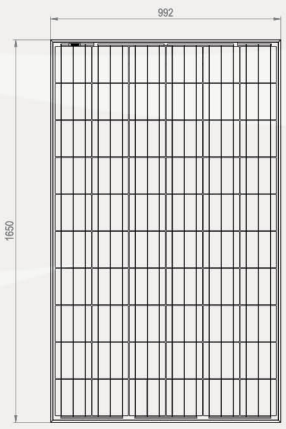


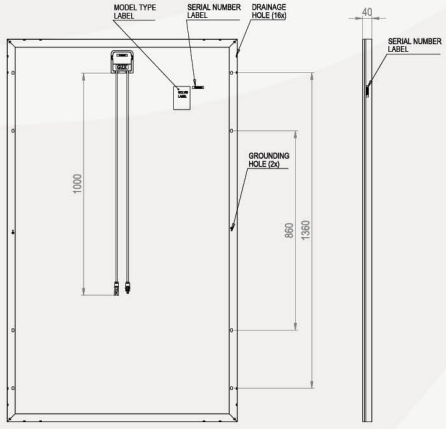
I - V Curve for SV60-250



NOTE: For extended models, SV60 YYY, voltages and currents can vary where YYY is optional based on the chosen YYY variant (YYY = letter(s), R for AR coated glass, F for black frame, B for silver frame and black backsheet, BC for black frame and black backsheet)







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