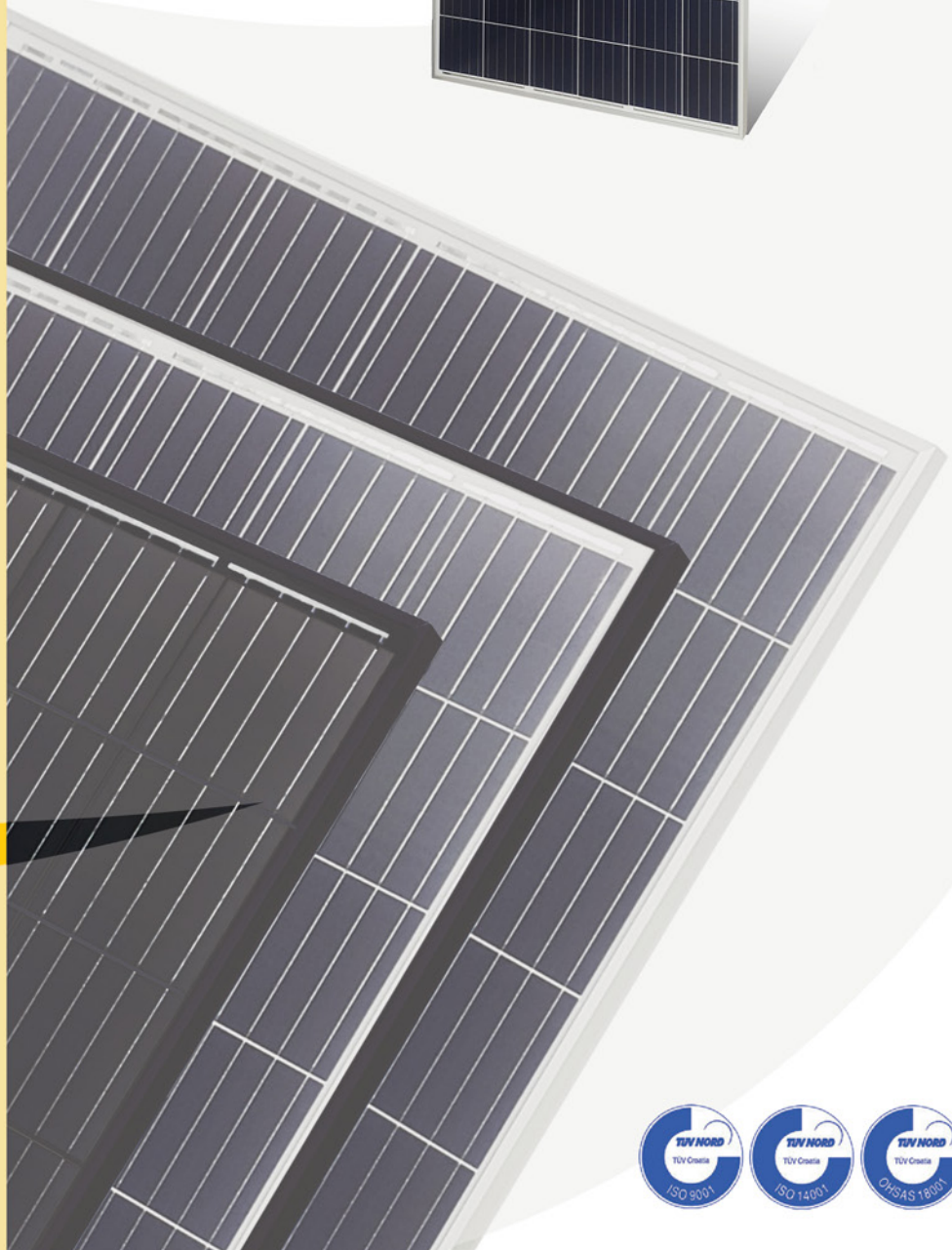




## MODEL SV72



-  Premium quality
-  Power output range 310-330 Wp
-  100% EL testing
-  Mechanical load up to 5400 Pa
-  Low weight
-  Module efficiency up to 17,01 %
-  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		SV72-310	SV72-315	SV72-320	SV72-325	SV72-330
Peak power $P_{MPP}$	[W]	310	315	320	325	330
Peak power tolerance	[W]	-0/+4,9				
Short circuit current $I_{SC}$	[A]	8,63	8,68	8,76	8,80	8,87
Open circuit voltage $V_{OC}$	[V]	44,64	45,14	45,58	45,72	46,08
Rated current $I_{MPP}$	[A]	8,28	8,35	8,38	8,43	8,50
Rated voltage $V_{MPP}$	[V]	37,73	37,84	38,39	38,59	38,86
Current and voltage tolerance	[%]	± 3				
Module efficiency	[%]	15,98	16,23	16,49	16,75	17,01

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

Electrical parameters at Nominal Operating Cell Temperature (NOCT)						
MODEL		SV72-310	SV72-315	SV72-320	SV72-325	SV72-330
Peak power $P_{MPP}$	[W]	225,5	228,1	232,2	234,8	238,4
Peak power tolerance	[W]	-0/+4,9				
Short circuit current $I_{SC}$	[A]	6,98	7,02	7,08	7,11	7,17
Open circuit voltage $V_{OC}$	[V]	40,7	41,3	41,5	41,6	42,0
Rated current $I_{MPP}$	[A]	6,69	6,75	6,77	6,83	6,87
Rated voltage $V_{MPP}$	[V]	33,7	33,8	34,3	34,4	34,7

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] 1956 x 992 x 40
Weight	[kg] 22,5
Solar cells	72 cells, polycrystalline Si, 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 <sup>2</sup> , length 1200 mm

NOTE: For extended models, SV72 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

