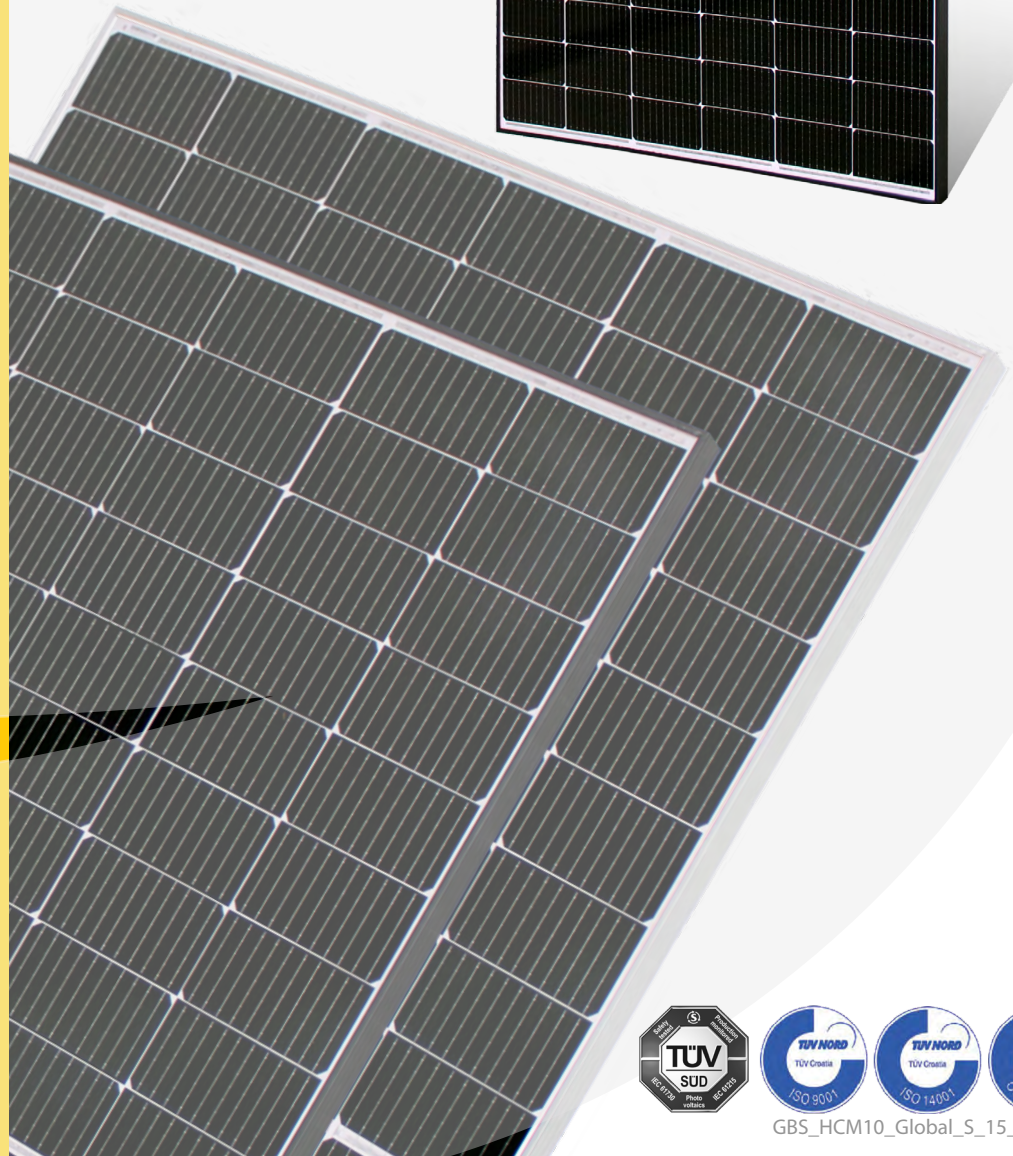
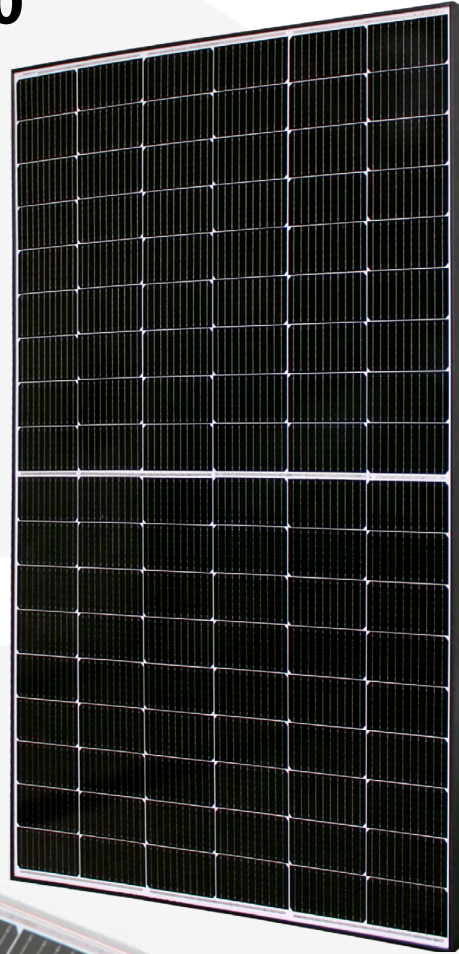




# MODEL SV108 E F HCM10

*TOPCon technology*



Premium quality



Power output  
range 420-430 Wp



100% EL testing



Mechanical load  
down to 5400 Pa\*



Low weight



Module efficiency  
up to 22,02%



Positive power  
sorting -0/+4,9 W



EN IEC 61215-1,-1-1,-2  
EN IEC 61730-1,-2

## Warranty:

**15** years manufacturing defects

**25** years limited,  
87% output power



Electrical parameters at Standard Test Conditions (STC)				
MODEL		SV108-420 E F HCM10	SV108-425 E F HCM10	SV108-430 E F HCM10
Peak power $P_{MPP}$	[W]	420	425	430
Peak power sorting	[W]	-0/+4,9		
Short circuit current $I_{SC}$	[A]	14,15	14,23	14,31
Open circuit voltage $V_{OC}$	[V]	37,89	38,07	38,25
Rated current $I_{MPP}$	[A]	13,40	13,48	13,56
Rated voltage $V_{MPP}$	[V]	31,36	31,55	31,73
Module efficiency	[%]	21,51	21,76	22,02
Cell efficiency	[%]	>24,4	>24,7	>25,0

STC: 1000W/m<sup>2</sup> irradiance, 25 °C cell temperature, AM1, 5 g spectrum according to EN 60904-3. Machine measurement tolerance: +/-3%. Machine measurement rating: AAA. Primary electrical value for product type rating is  $P_{MPP}$ . I and V values can vary up to +/- 10% for the same  $P_{MPP}$  rating. Average relative efficiency reduction of 3,4 % at 200 W/m<sup>2</sup> according to EN 60904-1

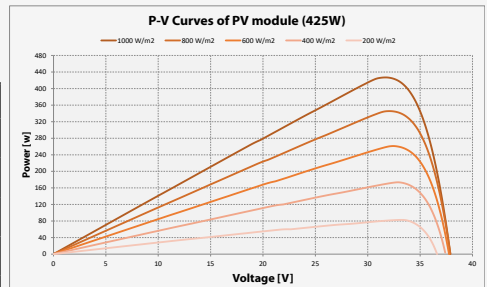
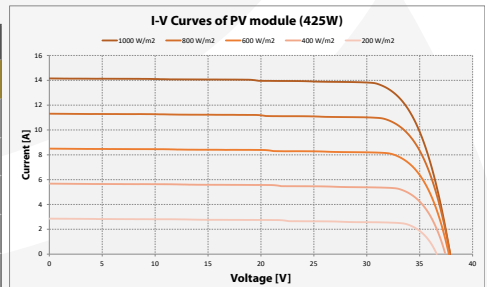
OPERATING CONDITIONS		
Temperature range	[°C]	-40 to +85
Maximum system voltage	[V]	1500
Max. series fuse rating	[A]	25
Limiting reverse current	[A]	20
Maximum surface load capacity	[Pa]	Down: 5400* Up: 2400
Resistance against hail		Max. diameter of 25 mm with impact speed 23 m/s

\*Please refer to installation manual

THERMAL CHARACTERISTICS		
Temperature coefficient of $P_{MPP}$	[%/K]	-0,322
Temperature coefficient of $I_{SC}$	[%/K]	0,033
Temperature coefficient of $V_{OC}$	[%/K]	-0,22

Electrical parameters at Nominal Module Operating Temperature (NMOT)				
MODEL		SV108-420 E F HCM10	SV108-425 E F HCM10	SV108-430 E F HCM10
Peak power $P_{MPP}$	[W]	318,0	321,8	325,6
Short circuit current $I_{SC}$	[A]	11,43	11,50	11,56
Open circuit voltage $V_{OC}$	[V]	36,0	36,2	36,3
Rated current $I_{MPP}$	[A]	10,67	10,73	10,78
Rated voltage $V_{MPP}$	[V]	29,8	30,0	30,2

NMOT: 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] 1722 x 1134 x 30
Weight	[kg] 20,2
Solar cells	TOPCon, 108 cells, mono-Si, 182x91 mm +/- 1 mm
Front	AR Coated, Tempered solar glass, 3,2 mm
Back	Composite polyester Film
Frame	Black anodized aluminium frame with twin-wall profile and drainage holes
Junction box	IP68 with 3 Bypass diodes
Cable and connectors	Solar cable 4 mm <sup>2</sup> , length 1100 mm, MC4 compatible connectors

PACKAGING		
Quantity/Pallet	pcs	36
Truck	pcs	1008
Pallets	pcs	28

NOTE: For extended models, SV108 E (YYY) HCM10, there is optional YYY suffix that can be F for black frame and white backsheet, BC for black frame and black backsheet and without YYY suffix for silver frame and white backsheet.

