

MODEL SV108 E F HCM10



Premium quality



Power output
range 390-410 Wp



100% EL testing



Mechanical load
up to 5400 Pa



Low weight



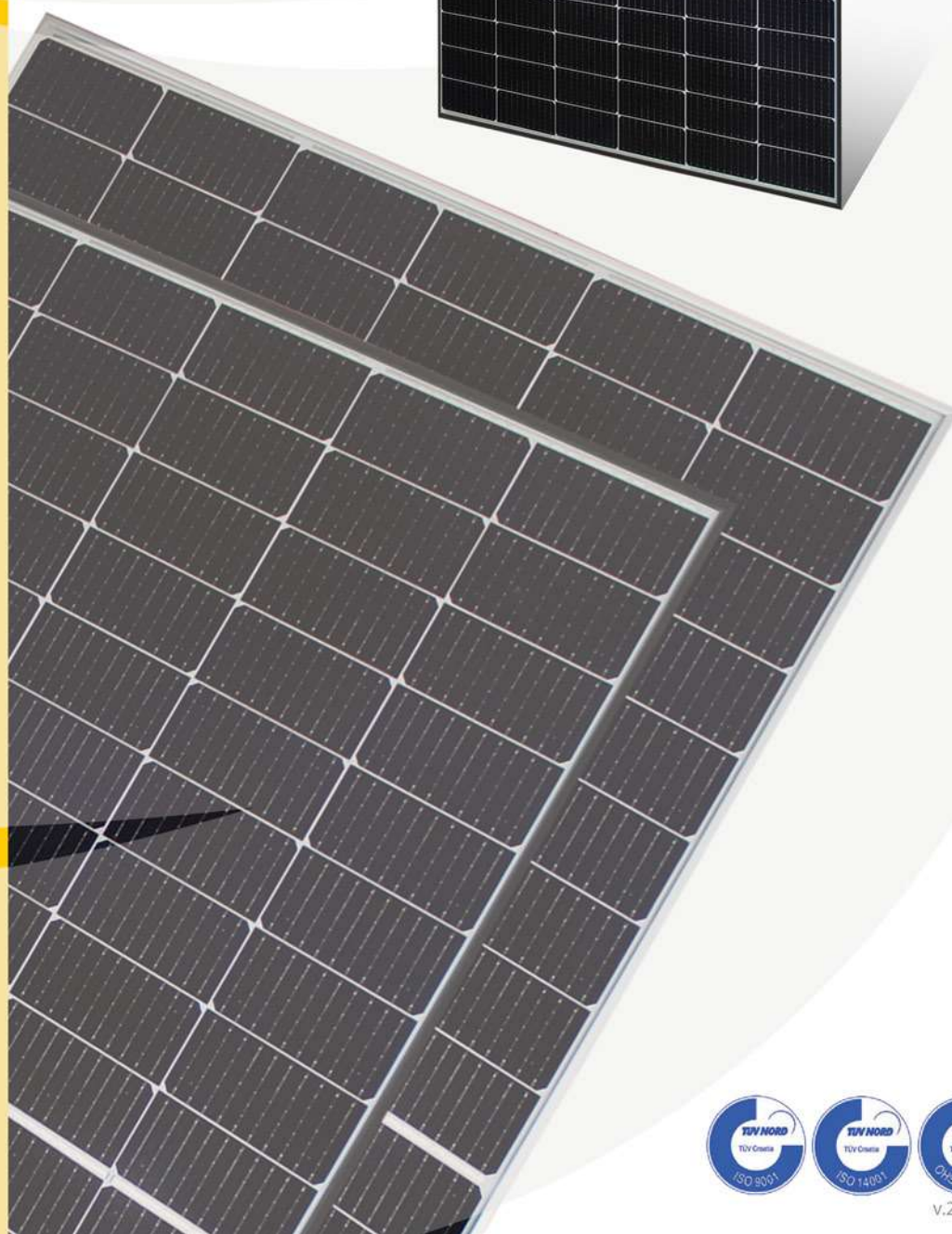
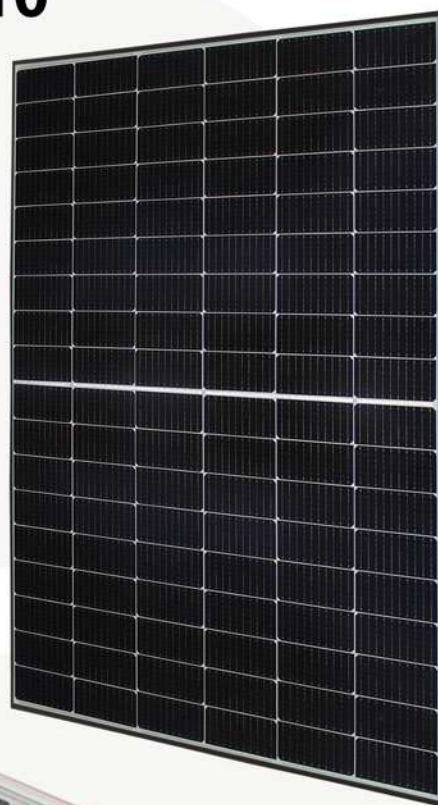
Module efficiency
up to 21,00%



Positive power
tolerance -0/+5 W



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



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		SV108-390 E F HCM10	SV108-395 E F HCM10	SV108-400 E F HCM10	SV108-405 E F HCM10	SV108-410 E F HCM10
Peak power P_{MPP}	[W]	390	395	400	405	410
Peak power tolerance	[W]	-0/+5				
Short circuit current I_{SC}	[A]	13,42	13,48	13,54	13,60	13,66
Open circuit voltage V_{OC}	[V]	36,69	36,93	37,18	37,42	37,66
Rated current I_{MPP}	[A]	12,67	12,73	12,79	12,85	12,91
Rated voltage V_{MPP}	[V]	30,79	31,03	31,28	31,52	31,76
Current and voltage tolerance	[%]	± 3				
Module efficiency	[%]	19,97	20,23	20,48	20,74	21,00

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 Module Operating Temperature (NMOT)

MODEL		SV108-390 E F HCM10	SV108-395 E F HCM10	SV108-400 E F HCM10	SV108-405 E F HCM10	SV108-410 E F HCM10
Peak power P_{MPP}	[W]	295	299	303	307	310
Peak power tolerance	[W]	-0/+5				
Short circuit current I_{SC}	[A]	10,98	11,03	11,08	11,13	11,18
Open circuit voltage V_{OC}	[V]	34,13	34,35	34,58	34,81	35,03
Rated current I_{MPP}	[A]	10,37	10,42	10,47	10,52	10,56
Rated voltage V_{MPP}	[V]	28,45	28,70	28,94	29,19	29,36

NMOT: 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]	1722 x 1134 x 30
Weight	[kg]	20,2
Solar cells		108 cells, mono-Si, 182x91 mm +/- 1 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		min. IP68 with 3 Bypass diodes
Cable and connectors		Solar cable 4 mm ² , length >1000 mm, MC4 compatible connectors

NOTE: For extended models, SV108 E HCM10, 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		25A
Limiting reverse current		20A
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]	-0,35
Temperature coefficient of I_{SC}	[%/K]	0,05
Temperature coefficient of V_{OC}	[%/K]	-0,275

