



MODEL SV120 E HC9B



Premium quality



Power output
range 355-375 Wp



100% EL testing



Mechanical load
up to 2400 Pa



Low weight



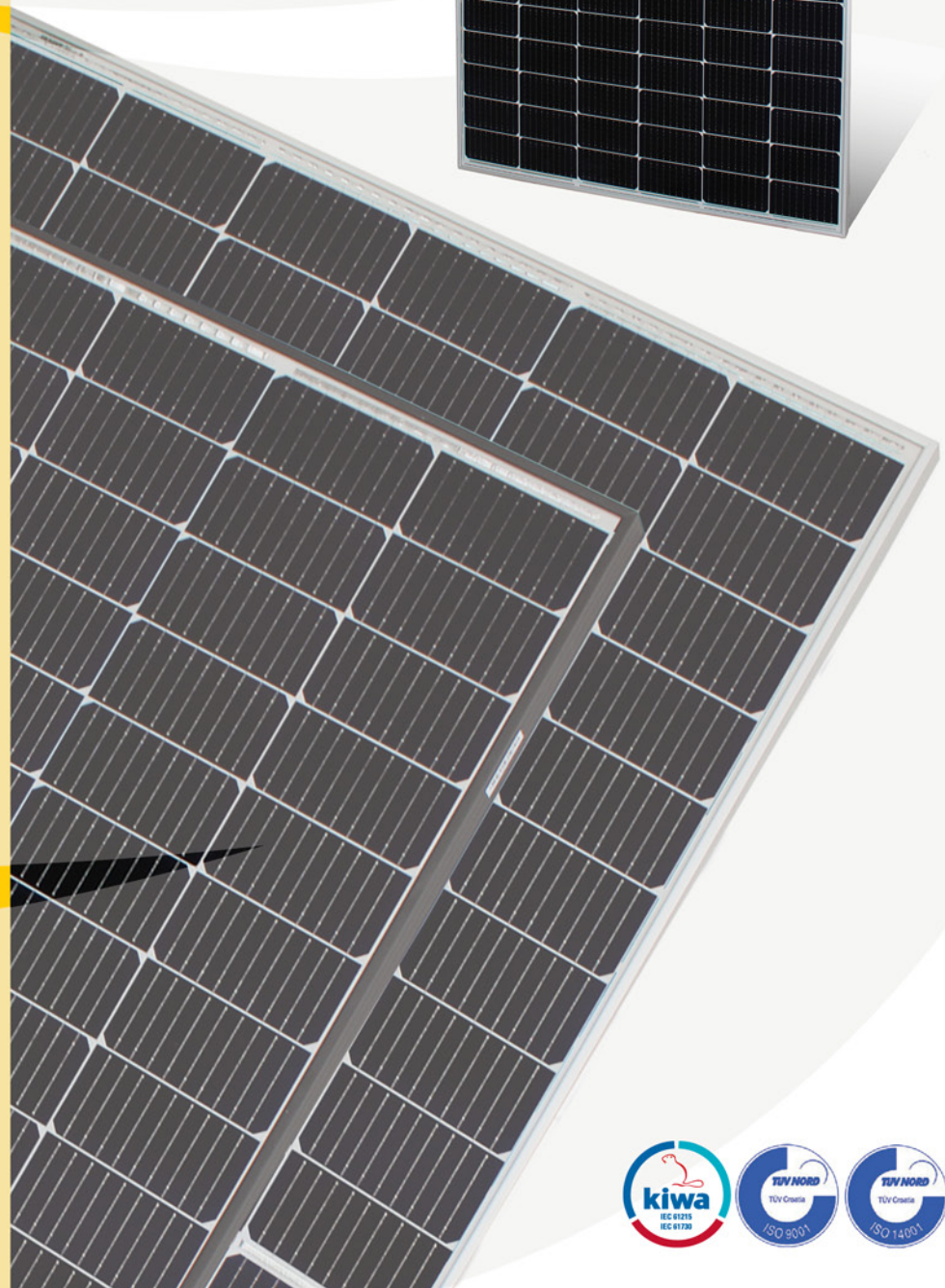
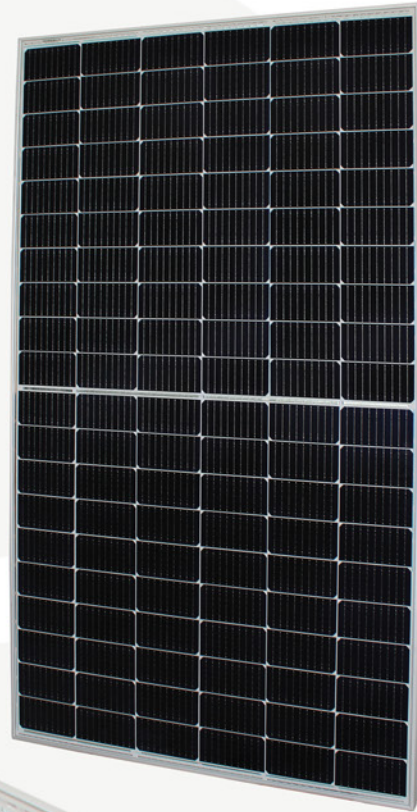
Module efficiency
up to 20,59%



Positive power
tolerance -0/+5 W



IEC EN 61215
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		SV120-355 E HC9B	SV120-360 E HC9B	SV120-365 E HC9B	SV120-370 E HC9B	SV120-375 E HC9B
Peak power P_{MPP}	[W]	355	360	365	370	375
Peak power tolerance	[W]	-0/+5				
Short circuit current I_{SC}	[A]	11,22	11,22	11,22	11,22	11,24
Open circuit voltage V_{OC}	[V]	40,20	40,50	40,85	41,28	41,48
Rated current I_{MPP}	[A]	10,48	10,52	10,55	10,60	10,62
Rated voltage V_{MPP}	[V]	33,90	34,23	34,64	35,10	35,33
Current and voltage tolerance	[%]	± 3				
Module efficiency	[%]	19,49%	19,76%	20,04%	20,31%	20,59%

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		SV120-355 E HC9B	SV120-360 E HC9B	SV120-365 E HC9B	SV120-370 E HC9B	SV120-375 E HC9B
Peak power P_{MPP}	[W]	268,8	272,6	276,4	280,2	283,9
Peak power tolerance	[W]	-0/+5				
Short circuit current I_{SC}	[A]	9,06	9,06	9,06	9,06	9,08
Open circuit voltage V_{OC}	[V]	38,2	38,5	38,8	39,2	39,4
Rated current I_{MPP}	[A]	8,35	8,39	8,40	8,39	8,45
Rated voltage V_{MPP}	[V]	32,2	32,5	32,9	33,4	33,6

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] 1755 x 1038 x 35
Weight	[kg] 20,0
Solar cells	120 cells, mono-Si, 166x83 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	IP67 with 3 Bypass diodes,
Cable and connectors	Solar cable 4 mm ² , length >=1000 mm, MC4 compatible connectors

NOTE: For extended models, SV120 E HC9B, 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]	1500
Max. series fuse rating		20A
Limiting reverse current		15A
Maximum surface load capacity		2400 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]	-0,338
Temperature coefficient of I_{SC}	[%/K]	0,047
Temperature coefficient of V_{OC}	[%/K]	-0,268

