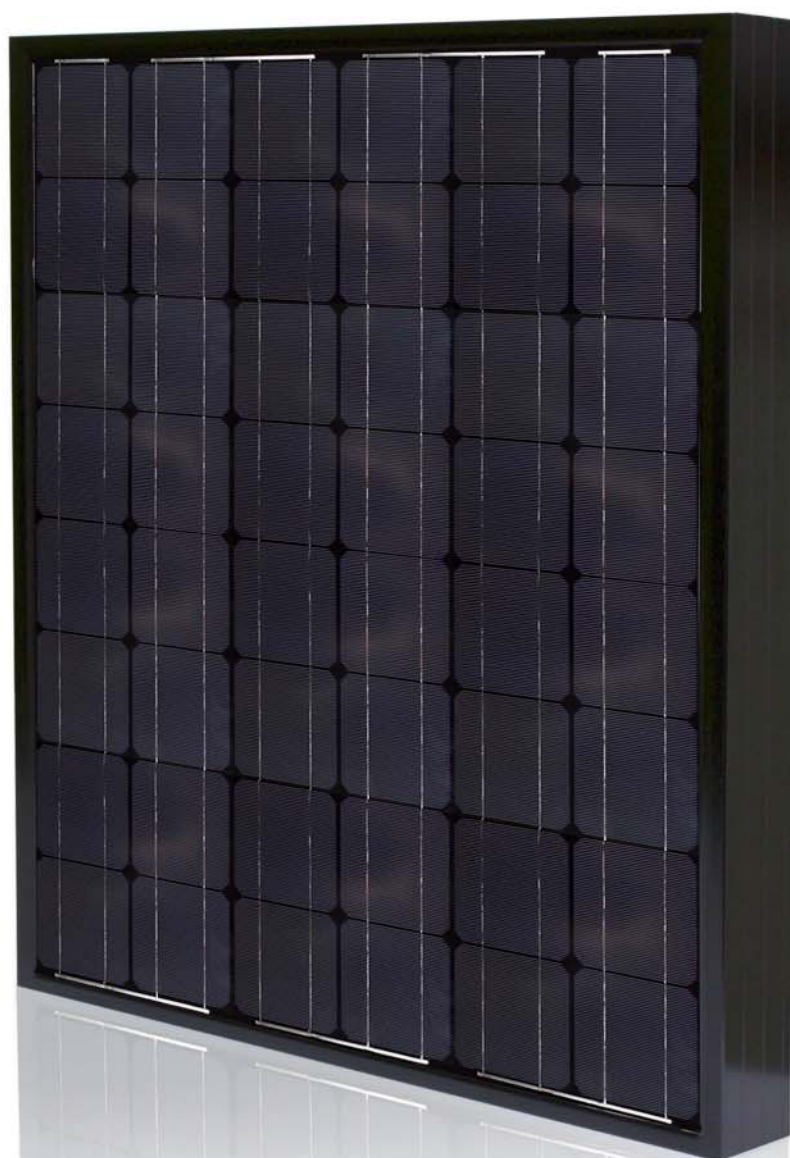




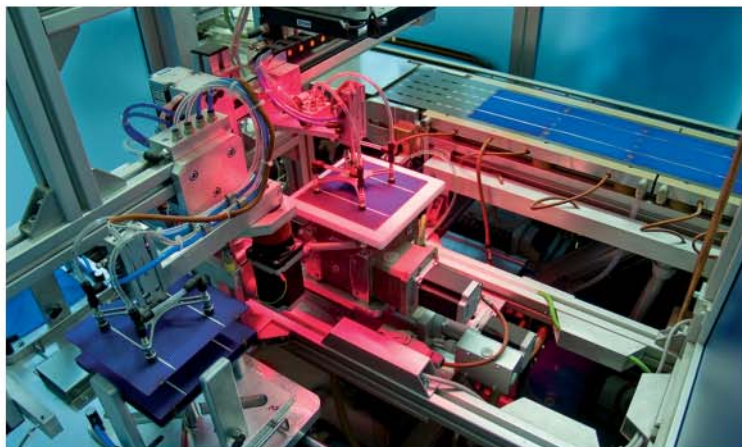
SUNBLU[®]

PHOTOVOLTAIC MODULE
SV 48 BLACK EDITION



PHOTOVOLTAIC MODULE

SV 48 BLACK EDITION



ELECTRICAL DATA

Measured at Standard Test Conditions (STC): Irradiance 1000 W/m²; Air mass 1.5 and cell temperature 25 °C

MODEL		SV 48-175 BE	SV 48-180 BE	SV 48-185 BE	SV 48-190 BE
Peak Power	P _{MPP}	175 W	180 W	185 W	190 W
Short Circuit Current	I _{SC}	8,05 A	8,17 A	8,22 A	8,27 A
Open Circuit Voltage	V _{OC}	30,2 V	30,7 V	31,2 V	31,8 V
Rated Current	I _{MPP}	7,53 A	7,58 A	7,64 A	7,69 A
Rated Voltage	V _{MPP}	23,3 V	23,8 V	24,2 V	24,7 V
Maximum System Voltage		1000 V			
Temperature Coefficients					
Power	P _{MPP}	- 0,45 %/°C			
Current	I _{SC}	+ 4,1 mA/°C			
Voltage	V _{OC}	- 105 mV/°C			

MECHANICAL DATA

Solar Cells in Series	48
Front Glass	4 mm tempered solar glass
Junction Box	FPE aluminium / IP - 67 rated with 3 bypass diodes
Output Cables	900 mm cable length / MultiContact MC4 connectors
Frame	Anodized aluminium / black
Length x Width x Thickness	1346 x 998 x 35 mm
Weight	18 kg

OPERATING CONDITIONS

Operating Temperature	-40 °C to + 85 °C
Maximum Load	2400 Pa front and back
Impact Resistance	Hail 25 mm at to 23 m/s

WARRANTY

Product Warranty	5 years
Limited Warranty	12 years on 90 % output power
Limited Warranty	25 years on 80 % output power
Certificate	EN IEC 61215
Certificate	EN IEC 61730

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