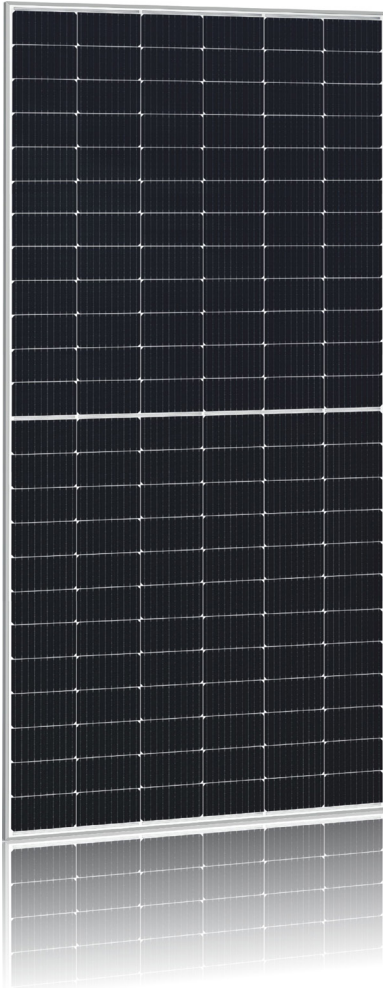




# The Power of EU WARRANTY



PV module **PREMIUM**

**540W | 545W | 550W**

**monocrystalline**

SV144M.5.3-540 | SV144M.5.3-545 | SV144M.5.3-550



**HALF-CUT technology**

Higher power and lower losses



**Reduced HOT SPOT**



**SELF-C nanotechnology**

Module with self-cleaning surface



**MULTI BUSBAR**

Increased fault-free operation and higher power



**PERC cells**

Top performance with state-of-the-art cell technology



**PID free**

Increased resistance to potential-induced degradation



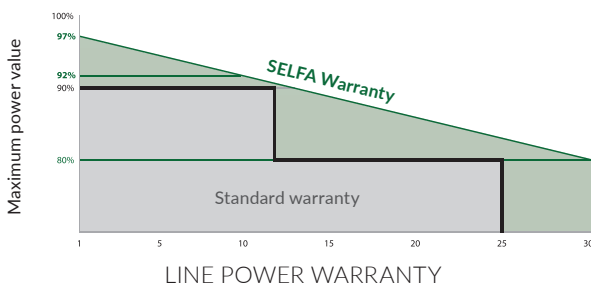
**+5** Positive power tolerance only



**5400 Pa**

Increased mechanical strength

## SELFA Warranty



15 YEARS POLISH PRODUCT WARRANTY



30 YEARS OF POLISH POWER WARRANTY



TESTED IN R&D CENTER OF SELFA

Manufacturer of PV modules and inverters

Also available with Selfa inverters



## Technical specification

MODULE TYPE		SV144M.5.3-540	SV144M.5.3-545	SV144M.5.3-550
Nominal power (-0;+5W)	P <sub>MPP</sub> [W]	540	545	550
Open circuit voltage	V <sub>OC</sub> [V]	49,4	49,6	49,8
Maximum power voltage	V <sub>MPP</sub> [V]	41,2	41,4	41,6
Short-circuit current	I <sub>SC</sub> [A]	13,87	13,93	13,99
Maximum power point current	I <sub>MPP</sub> [A]	13,11	13,17	13,23
Fill factor	FF [%]	78,8	78,9	79,0
Efficiency	[%]	20,9	21,1	21,3
Number of bypass diodes	[szt.]	3		
Connection box protection rating	[-]	IP68		
Glass specification	[-]	3,2mm; prismatic; toughened / AR-antireflection in glass structure		
Total weight	[kg]	29		
Connectors		S= 4 mm <sup>2</sup> , L= 2 x 300 mm, MC4		

nominal values for standard testing conditions – STC (AM 1.5; 1000W/m<sup>2</sup>; 25°C); tolerance ±5%

TEMPERATURE COEFFICIENTS	P <sub>MAX</sub> : -0,36% /°C	I <sub>SC</sub> : 0,06% /°C	V <sub>OC</sub> : -0,3% /°C
PV module operating range	Operating temperature: -40 ÷ +85°C Ambient temperature: -40 ÷ +45°C		Max. System voltage: 1500VDC Protection value: 25A

NOCT 41±2°C

MODULE TYPE		SV144M.5.3-540	SV144M.5.3-545	SV144M.5.3-550	MECHANICAL STRENGTH
Nominal power (-0;+5W)	P <sub>MPP</sub> [W]	402	406	410	Resistance to wind and snow loads wind: 2400 Pa (= 244kg/m <sup>2</sup> ) snow: 5400 Pa (= 551kg/m <sup>2</sup> )
Open circuit voltage	V <sub>OC</sub> [V]	46,3	46,4	46,6	
Maximum power voltage	V <sub>MPP</sub> [V]	38,4	38,6	38,8	
Short-circuit current	I <sub>SC</sub> [A]	11,18	11,23	11,28	
Maximum power point current	I <sub>MPP</sub> [A]	10,49	10,54	10,58	

nominal values for the NOCT test conditions (AM 1.5; 800W/m<sup>2</sup>; 20°C, wind 1m/s)

