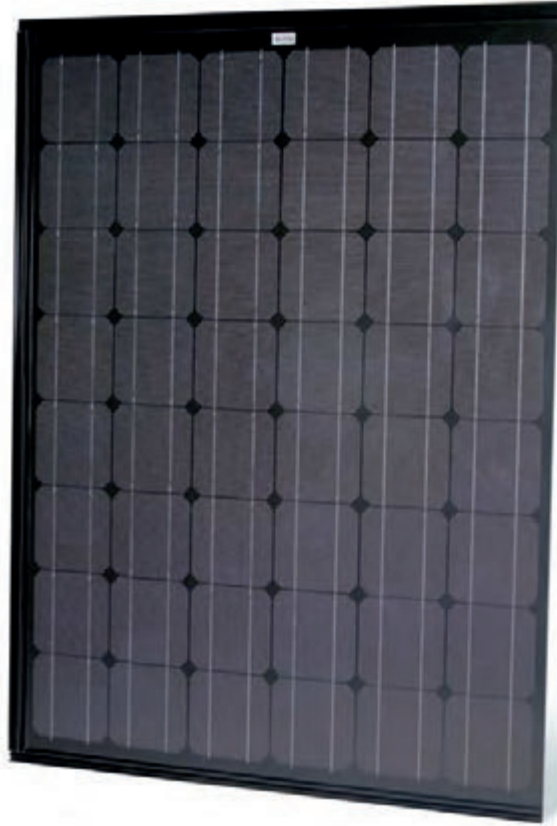
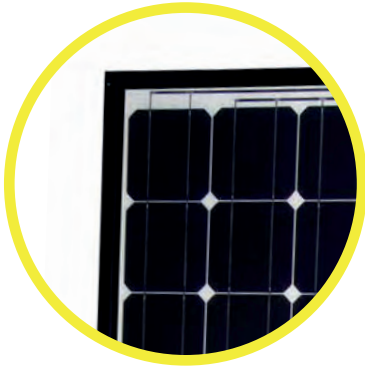


MODEL SV48 TES



Product Features

- Special modules for building integration
- Power tolerance -0/+4,9 W
- Power output range 180-200 Wp
- Premium raw materials
- Premium workmanship

Certificates

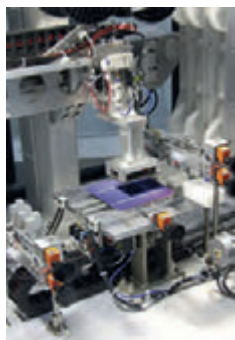
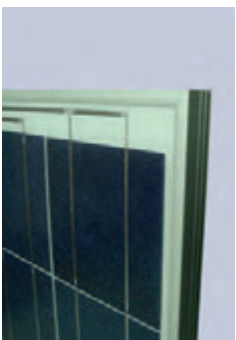
- Quality management EN ISO 9001:2008
- Environmental management EN ISO 14001:2009
- Occupational health and safety management OHSAS 18001:2007

Warranty

- 10 years manufacturing defects
- 12 years limited, 90% output power
- 25 years limited, 80% output power

SOLVIS photovoltaic modules with SOLRIF™ frames are high efficiency modules produced from top quality, proven and certified raw materials. These modules intended for building integration provide high output power, extraordinary durability in harsh conditions, as well as long-term electrical stability. Each module is inspected in detail and labeled before delivery. SOLVIS is a PV module producer based in Croatia. Throughout the partnership with our distributors, we export most of our products for the European clients. Production of high quality photovoltaic modules is based on strict quality control criteria applied in each stage of the manufacturing process. This results in a 25-year limited warranty on output power.

We are dedicated to production of environmentally friendly and affordable source of energy taking greater responsibility for the well being of the society. Production of pertinent modules is a technological challenge demanding engineering and manufacturing expertise. The final product is largely the result of our own production development and research. Constant investments in research and development are the way how SOLVIS is upgrading its technology and products, and ensuring the competitiveness of the company on the global market.



Performance under standard test conditions (1000 W/m², 25 °C, AM 1.5 according to EN 60904-3)

MODEL		SV48-180 BES	SV48-185 BES	SV48-190 BES	SV48-195 BES	SV48-200 BES
		SV48-180 TES	SV48-185 TES	SV48-190 TES	SV48-195 TES	SV48-200 TES
Peak power	P _{MPP} [W]	180	185	190	195	200
Peak power tolerance	[W]	-0/+ 4,9				
Short circuit current	I _{sc} [A]	8,21	8,32	8,43	8,54	8,65
Open circuit voltage	U _{oc} [V]	28,8	29,2	29,5	29,8	30,1
Rated current	I _{MPP} [A]	7,67	7,75	7,86	7,96	8,07
Rated voltage	U _{MPP} [V]	23,5	23,9	24,2	24,5	24,8
Current and voltage tolerance	[%]	± 10				

THERMAL CHARACTERISTICS

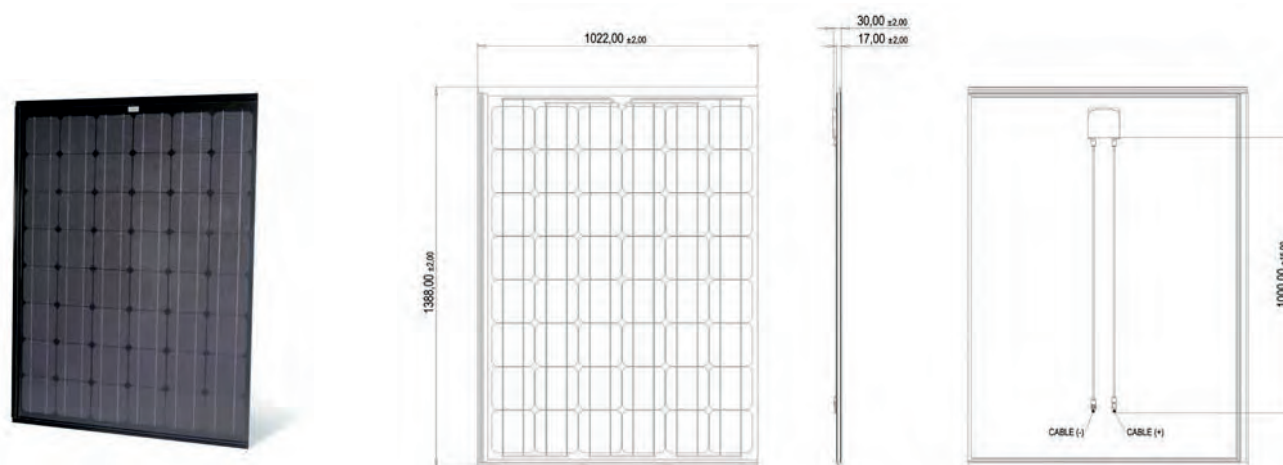
Temperature coefficient of P _{MPP}	[%/K]	-0,47				
Temperature coefficient of I _{sc}	[%/K]	0,04				
Temperature coefficient of U _{oc}	[%/K]	-0,33				

MECHANICAL DATA

Dimensions (H x W x D)	[mm]	1388 x 1022 x 30				
Weight	[kg]	19				
Solar cells		48 cells, monocrystalline Si, 156 x 156 mm				
Cell encapsulation		Ethylene vinyl acetate (EVA)				
Front		Tempered solar glass, 4 mm				
Back		Composite polyester film				
Frame		Aluminum frame with twin-wall profile and drainage holes				
Junction box		Tyco SOLARLOK with 3 bypass diodes, IP65				
Cable and connectors		Solar cable 4 mm ² , length 1000 mm, Tyco SOLARLOK connectors				

OPERATING CONDITIONS

Temperature range	[°C]	-40 to +85				
Maximum system voltage	[V]	1000				
Maximum surface load capacity	[Pa]	2400				
Resistance against hail		Maximum diameter of 25 mm with impact speed of 23 m/s				



*All dimensions are in mm



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