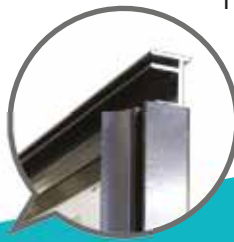


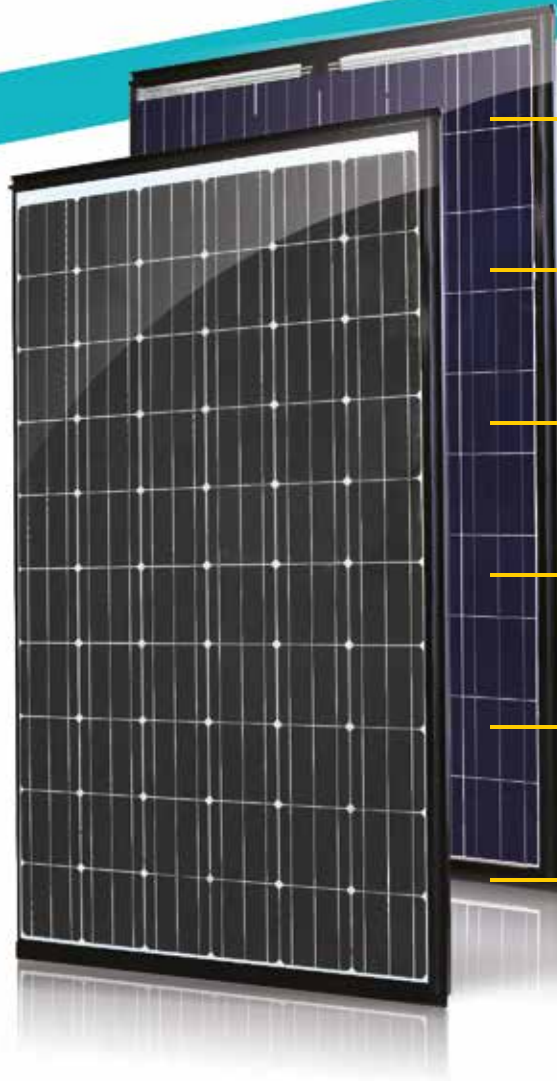
Solid SOLRIF[®]

Glass / Glass

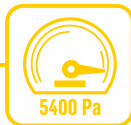
IN-ROOF



® Framed With Solrif



Fire class A



Extreme load resistance



Self-cleaning effect



Salt mist resistance



Ammonia resistance



Dust & Sand resistance



Mono ⚡ 300W ⚡ 270W Poly

⊕ Positive sorting up to +5W



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Last updated 7th June, 2018

Electrical data (STC*)	Regular Transparency		Increased Transparency					
	10%		20%		30%		45%	
Transparency %	10%		20%		30%		45%	
Maximum Power (W_p)	300	270	270	240	230	210	165	150
Cell Configuration	6x10		6x9		6x8		4x9	
Cell Technology	Mono C-Si	Poly C-Si	Mono C-Si	Poly C-Si	Mono C-Si	Poly C-Si	Mono C-Si	Poly C-Si
Open circuit Voltage (V_{oc}/V)	39.45	38.80	35.51	34.92	31.56	31.40	23.67	23.38
Short circuit Current (I_{sc}/A)	9.90	9.42	9.89	9.41	9.88	9.40	9.87	20.70
Max Power Voltage (V_{mp}/V)	32.15	34.50	28.94	31.05	25.72	27.60	19.29	17.67
Max Power Current (I_{mp}/A)	9.35	8.89	9.34	8.88	9.33	8.87	9.32	8.86
Module Efficiency (η)	17.03%	15.33%	15.33%	13.63%	13.06%	11.92%	9.37%	8.52
Efficiency when installed (η)	17.77%	15.99%	15.99%	14.21%	13.62%	12.44%	9.77%	8.88%
Max System Voltage (V)	1000				1000			
Max Current (A)	15				15			
Power Tolerance	0/+5W				0/+5W			

*Under Standart Test Conditions (STC) of irradiance of 1000W/sq. m., spectrum AM 1.5 and cell temperature of 25 C

Flash testing measurement accuracy of +/- 5%

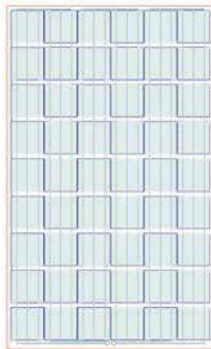
All transparency values are approximate +/- 3%

Increased Module Transparency

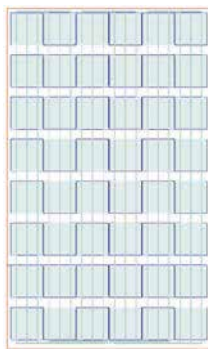
20% (54 cells)

30% (48 cells)

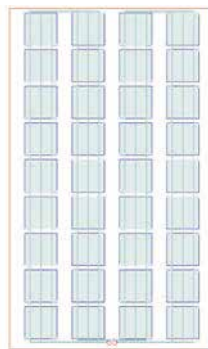
45% (36 cells)



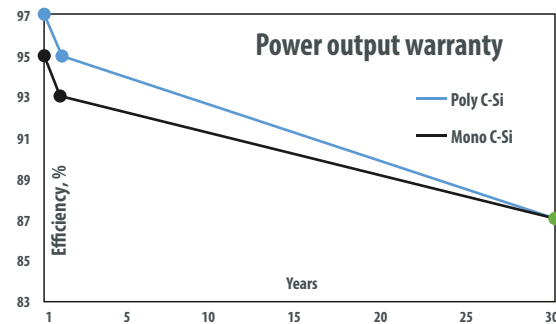
Configuration: 6x9



Configuration: 6x8



Configuration: 4x9



Optimal Weather-lightness

Frames are shingled from top to bottom and are interlocking left to right much like tiles for optimal weather protection.

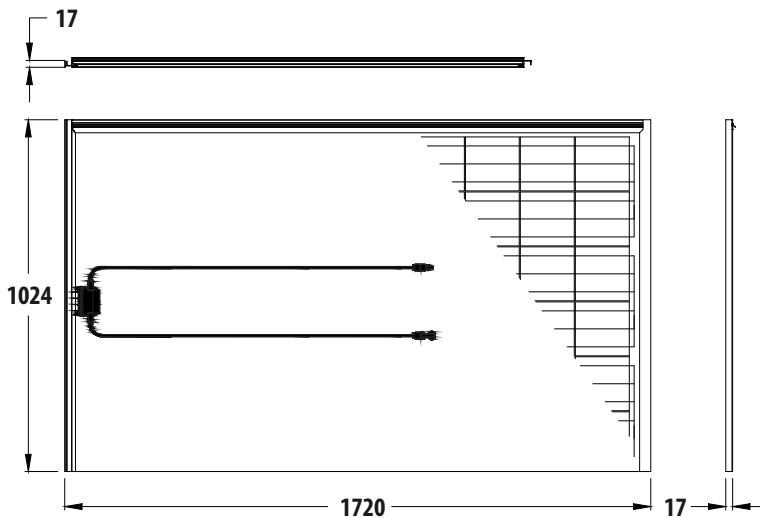


Easy Installation

The modules are held by metal clamps that are mounted to the roof battens. This allows for quick and easy installation.

Dimensions & Mounting

2400/5400 Pa



Temperature ratings	Polycrystalline	Monocrystalline
Temperature Coefficient $I_{sc}(\alpha_{I_{sc}})$	+0,05% /°C	+0,04% /°C
Temperature Coefficient $V_{oc}(B_{V_{oc}})$	+0,34% /°C	+0,35% /°C
Temperature Coefficient $P_{max}(vP_{mp})$	+0,46% /°C	+0,47% /°C
Nominal Operating Cell Temperature	46° C	

Mechanical data	
Dimensions (LxWxH) (mm)	1720x1024x17
Weight (kg)	30
Front / Back glass (mm)	3,15
Cell Type	Poly C-Si / Mono C-Si
Cell Size	156.75x156.75mm
Busbars	5
Frame	Solrif®
Operating Temperature	-40~+85C
Max Load (wind/snow) (Pa)	2400/8000
Junction Box / IP Class	TE Connectivity J-box IP67
Cable Cross Section Size (mm ²)	4
Bypass Diodes	3
Connector	PV4-S Male/Female
Optimization	Tigo T54 (Optional)

This datasheet is not legally binding. The manufacturer reserves the right to make changes to product specifications and/or product features without prior notice. The most recent versions of all documents (T&Cs, datasheets, warranties, and installation manuals can always be found on our website at www.solitek.eu).

Dealer Information



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