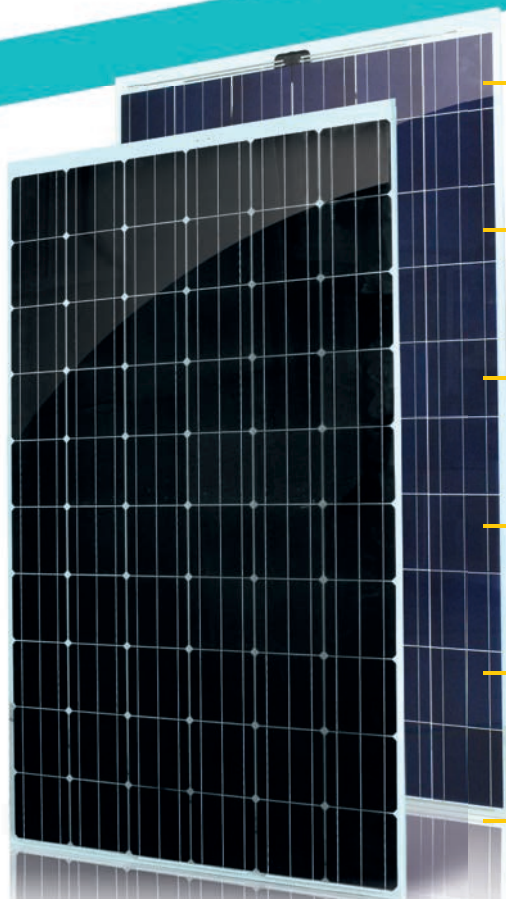
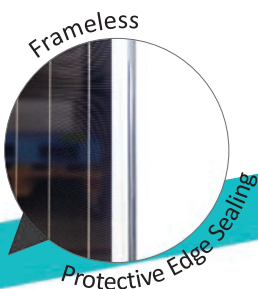


Solid PRO

Glass/Glass

60 Cell



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



IEC 61215
IEC 61730



Photovoltaic Modules
Testing in cooperation with ARA wireless
■ Design qualification and type approval
■ Requirements for construction and testing



PID free

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Last updated 21th May, 2018

Solid PRO

Glass/Glass

60 Cell

Electrical data (STC*)	Regular Transparency		Increased Transparency					
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_{mpp}/V)	32.15	34.50	28.94	31.05	25.72	27.60	19.29	17.67
Max Power Current (I_{mpp}/A)	9.35	8.89	9.34	8.88	9.33	8.87	9.32	8.86
Module Efficiency (η)	18.11%	16.30%	16.30%	14.49%	13.88%	12.68%	9.96%	9.05%
Max System Voltage (V)	1000		1000		1000		1000	
Max Current (A)	15		15		15		15	
Power Tolerance	0/+5W		0/+5W		0/+5W		0/+5W	

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

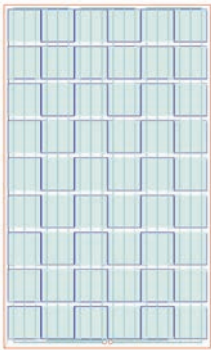
Flash testing measurement accuracy of +/- 5% All transparency values are approximate +/- 3%

Increased Module Transparency

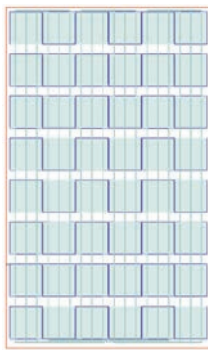
20% (54 cells)

30% (48 cells)

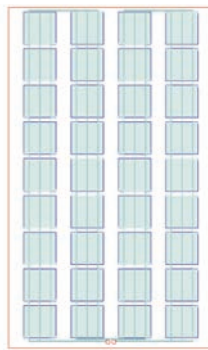
45% (36 cells)



Configuration: 6x9



Configuration: 6x8



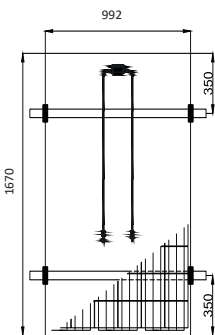
Configuration: 4x9

Dimensions & Mounting

2400/2400 Pa

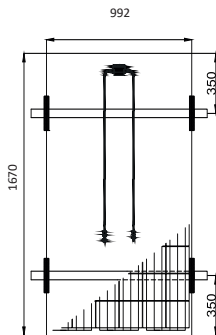
2400/5400 Pa

2400/8000 Pa



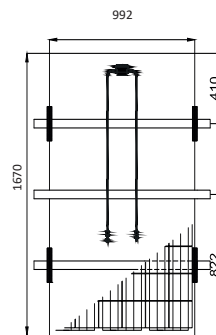
Alumero fixing clamps
END/MID clamps 6.8 100mm

4x100 mm



Alumero fixing clamps
END/MID clamps 6.8 200mm

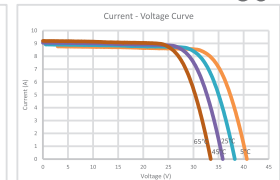
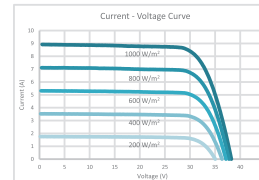
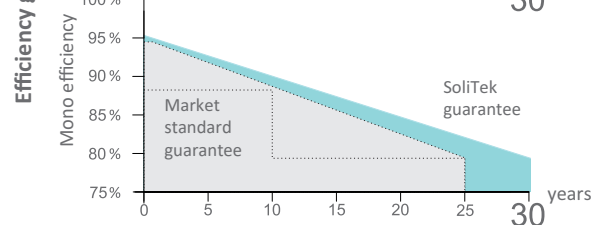
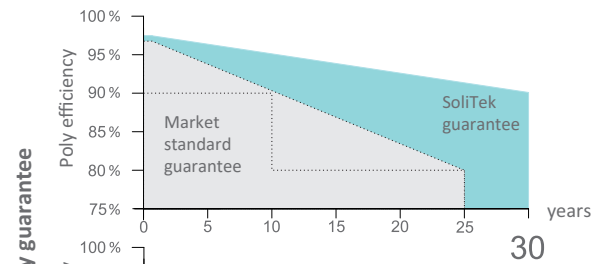
4x200 mm



Alumero fixing clamps
END/MID clamps 6.8 200mm

4x200 mm

Alumero fixing clamps END/MID click 6.8



Temperature ratings

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

Mechanical data

Dimensions (LxWxH) (mm)	1670x992x7,1
Weight (kg)	27
Front / Back glass (mm)	3,15
Cell Type	Poly C-Si / Mono C-Si
Cell Size	156.75x156.75mm
Busbars	4
Frame	Frameless
Operating Temperature	-40~+85C
Max Load (wind/snow) (Pa)	2400/8000
Junction Box / IP Class	TE Connectivity J-box IP67
Cable Cross Section Size (mm2)	4
Bypass Diodes	3
Connector	PV4-S Male/Female
Optimization	Tigo TS4 (Optional)

Dealer Information



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