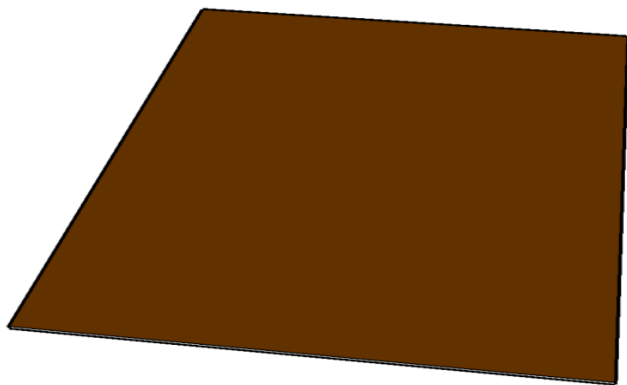


### a-Si thin film solar PV module SI S1-X.Ax series

SI S1 - 312 328 344 360



#### Signet Solar's Frameless Large Area Modules Are

- robust in a wide variety of climates and conditions,
- cost effective,
- environmentally friendly (nontoxic silicon based material set) and recyclable.

#### Signet Solar Quality

- High reliability frameless glass-to-glass laminated modules
- IEC 61646 / IEC 61730 (TUV) certification pending
- Optional bonded back rails (required for installation)
- Optional bypass diode
- 1000 V maximum voltage
- Requires inverters with grounded inputs

#### Limited Warranty

- Product workmanship: 2 years
- Performance:
  - 10 years (90% of minimum stabilized rated output power)
  - 25 years (80% of minimum stabilized rated output power)

mechanical data	unit				
height	mm	2600			
width	mm	2200			
thickness (laminate only)	mm	8			
static load	N/m <sup>2</sup>	2400			

further mechanical data in customer drawing

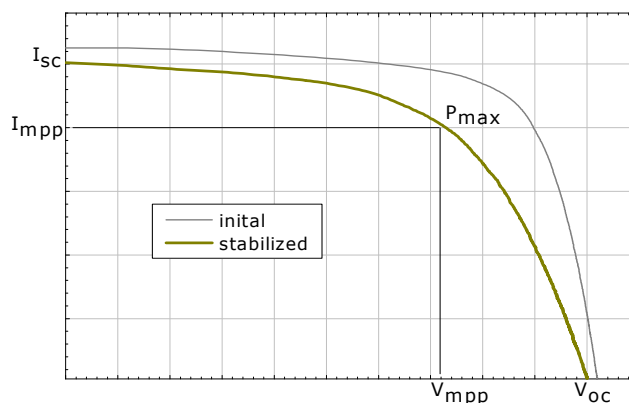
electrical data (@stc)*	unit				
maximum system voltage	V	1000			
power	W	312	328	344	360
power tolerance	%	+/- 3			
V <sub>oc</sub>	V	184	185.2	186.4	187.6
I <sub>sc</sub>	A	2.88	2.92	2.96	3.00
V <sub>mpp</sub>	V	140.8	142.6	144.6	146.4
I <sub>mpp</sub>	A	2.22	2.20	2.38	2.46

thermal data	unit				
temperature range	°C	-40 ... 85°C			
temperature coefficients:					
power	% /K	-0.25			
V <sub>oc</sub>	% /K	-0.30			
I <sub>sc</sub>	% /K	+0.10			

\* standard test conditions if not otherwise specified: 25°C, 1000W / m<sup>2</sup>, AM 1.5

Note: Initial power is 10–20% higher than stabilized power. Initial voltages are up to 10% higher. All voltages are relative to the negative power connector of the module.

#### typical module characteristic



## Contact Information

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