

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

SI S1 - 344 360 380 400

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 tested (TUV)
- Optional bonded back rails (required for installation)
- Optional bypass diode
- 1000 V maximum voltage
- Requires inverters with grounded negative pole

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 ²			2400	

further mechanical data in customer drawing

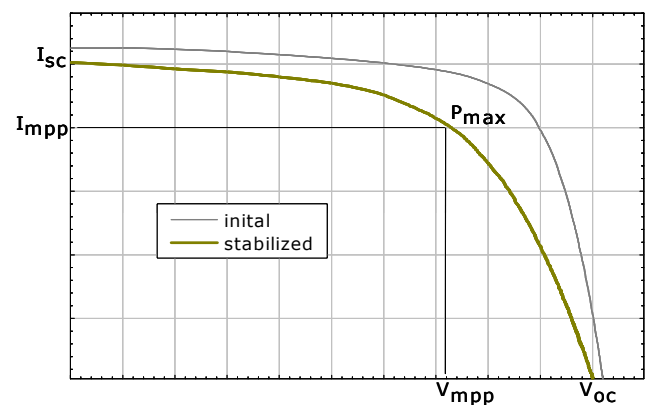
electrical data (@stc)*	unit				
maximum system voltage	V			1000	
power	W	344	360	380	400
power tolerance	%			+/- 3	
V _{oc}	V	186.4	187.6	189.1	190.6
I _{sc}	A	2.96	3.00	3.05	3.10
V _{mpp}	V	144.6	146.4	148.7	151.0
I _{mpp}	A	2.38	2.46	2.53	2.63

thermal data	unit				
module temperature	°C			-40 ... 85°C	
temperature coefficients:					
power	% /K			-0.25	
V _{oc}	% /K			-0.30	
I _{sc}	% /K			+0.10	

* standard test conditions if not otherwise specified: 25°C, 1000W / m², 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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