

### 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 terminal

### 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			1300	
width	mm			1100	
thickness (laminate only)	mm			8	
static load	N/m <sup>2</sup>			2400	

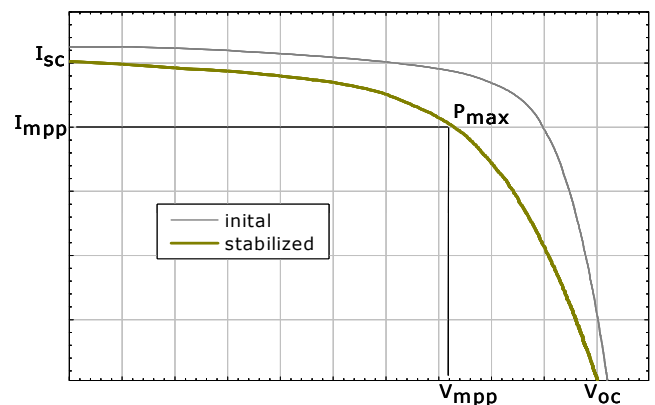
further mechanical data in customer drawing

electrical data (@stc)*	unit				
maximum system voltage	V			1000	
power	W	86	90	95	100
power tolerance	%	+/- 3			
V <sub>oc</sub>	V	93.2	94.5	95.0	95.5
I <sub>sc</sub>	A	1.48	1.50	1.54	1.58
V <sub>mpp</sub>	V	72.2	73.2	74.2	75.2
I <sub>mpp</sub>	A	1.18	1.23	1.28	1.33

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

#### USA

Signet Solar Inc.  
525 Middlefield Road, Suite 150  
Menlo Park, CA 94025

Phone +1.650.289.0399  
Fax +1.650.289.0562

#### Germany

Signet Solar GmbH  
Am Fuchsloch 10  
04720 Mochau (near Dresden)

Phone +49.3431.6076.100  
Fax +49.3431.6076.305