

- Lightweight
- Unbreakable
- High efficiency
- Low installation cost

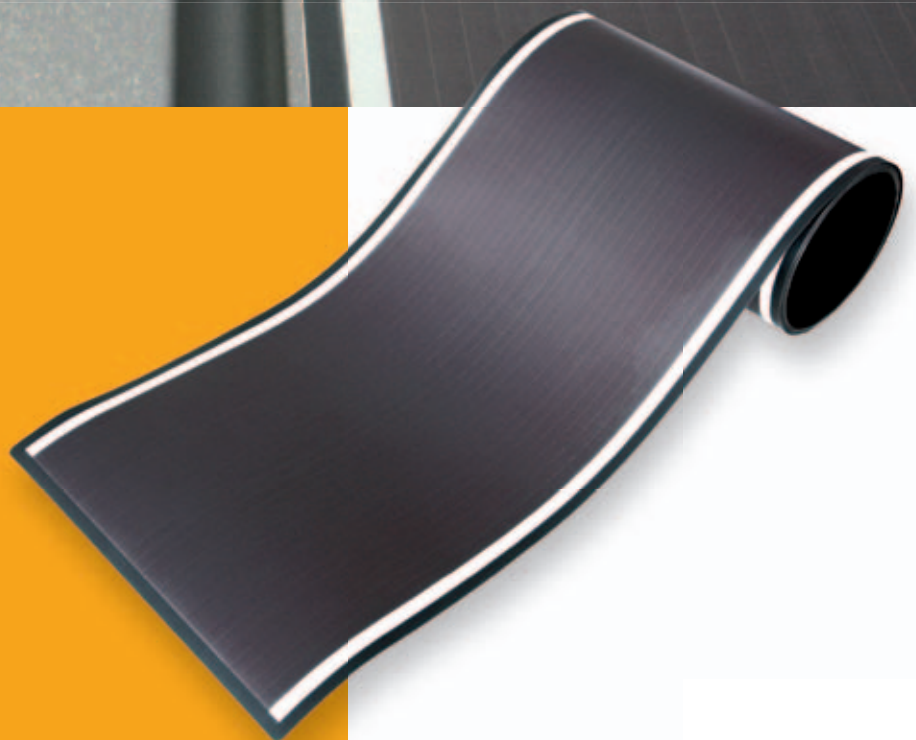
# ***Powerfoil***®

*for roofs that standard modules cannot reach*

HyET Solar B.V.  
Westervoortsedijk 71 K  
6827 AV Arnhem  
The Netherlands

Tel: +31 (0) 26 3623944  
Fax: +31 (0) 26 3623945  
info@hyetsolar.com

[www.hyetsolar.com](http://www.hyetsolar.com)



## Electrical characteristics

### Measured at Standard test conditions

(STC; 25 °C cell temperature, insolation 1000 W/m<sup>2</sup>, AM 1.5)

Rated Power	$P_{max}$	116 W
Production tolerance of	$P_{max}$	±5 %
Rated Voltage	$V_{mpp}$	17,2 V
Rated current	$I_{mpp}$	6,7 A
Open circuit voltage	$V_{oc}$	24,8 V
Short circuit current	$I_{sc}$	8,1 A

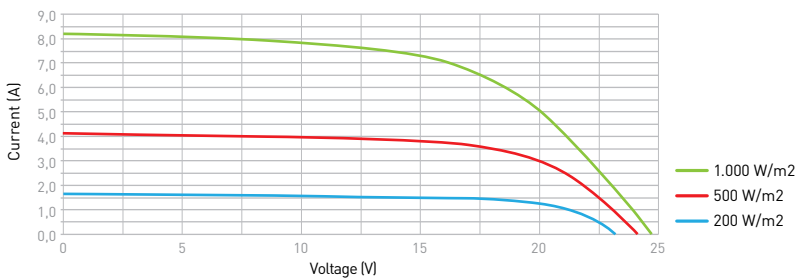
### Measured at Nominal Operating Cell Temperature

(NOCT; ambient temperature 20 °C, insolation 800 W/m<sup>2</sup>, AM 1.5, 1 m/s wind speed)

NOCT	45°C
Maximum Power	$P_{max}$ 93 W
Voltage at max. power	$V_{mpp}$ 17,2 V
Current at max. power	$I_{mpp}$ 5,4 A
Open circuit voltage	$V_{oc}$ 23,3 V
Short circuit current	$I_{sc}$ 6,6 A

Note: During the first weeks of operation, electrical output may exceed specified ratings. Power output may be higher by 15%, operating voltage may be higher by 5 %, operating current may be higher by 10 %

### Typical characteristics at varying irradiance levels (25 °C cell temperature, AM 1.5)



### Temperature coefficients (Tc)

Tc of $P_{max}$	(% / °C)	-0,20 %
Tc of $V_{oc}$	(% / °C)	-0,31 %
Tc of $I_{sc}$	(% / °C)	0,02 %

### Installation data

Application class	Class A at IEC 61730
Operating temperature	- 40°C to + 85 °C
Maximum system voltage	500 V
Maximum series fuse rating	13 A

### General characteristics

Dimensions	5930x325x0.4 mm, depth at junction box 12 mm
Weight	1.3 kg
Cell type	28 amorphous silicon solar cells (5910X10 mm), connected in series
Front sheet	fluorine polymer
Junction	EPIC Solar Map
Connector	quick-connect terminal (overmoulded)
Cable type	Solar cable (4.0 mm <sup>2</sup> ), length 325 mm

