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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**HighFlex™ Solar Inc**

**HF258-6-30**

**HF258-6-30**

Also available on the web at  
[EnergyPal.com/highflex-solar-inc-solar-panels/hf258-6-30](http://EnergyPal.com/highflex-solar-inc-solar-panels/hf258-6-30)

## High Efficiency, Lightweight, Flexible Photovoltaic Modules

Model Type: HF258-6-30

### FEATURES

- High efficiency, light weight mono crystalline cells
- Flexible and rugged module
- Frameless
- UV protected

### ELECTRICAL CHARACTERISTIC

Parameter	Unit	
Peak Power	$W_p$	258
Cells efficiency	%	19.2
Voltage at max power point	$V_{mpp}$ (V)	30.68
Current at max power point	$I_{mpp}$ (A)	8.43
Open – circuit voltage	$V_{OC}$ (V)	38.64
Short – circuit current	$I_{SC}$ (A)	8.97
Power tolerance	%	-0/+5
No. reverse blocking diode		0

Values are based on Standard Test Condition defined as 1000W/m<sup>2</sup>, 25 °C, AM 1.5

### MECHANICAL CHARACTERISTIC

Parameter	Unit	
Dimensions	mm	1980 x 832 x 1.5
Weight	kg	3.4
Solar Cells		60 cells in series (array 5x12)
Frame		None

### ABSOLUTE MAXIMUM RATINGS

Parameter	Unit	
Operating temperature	°C	-40 to +90
Max System Voltage	$V_{DC}$	1000

### OPTIONAL

Parameter	

### WARRANTY

- 25-year limited warranty on 80% power output
- 10-year limited warranty on 90% power output
- 5-year limited warranty of materials and workmanship

