

## High Efficiency, Lightweight, Flexible Photovoltaic Modules

Model Type: **HF138-6-16**

### FEATURES

- High efficiency, light weight mono crystalline cells
- Flexible and rugged module
- No junction box
- Integrated cable wire as option
- Frameless
- UV protected

### ELECTRICAL CHARACTERISTIC

Parameter	Unit	
Peak Power	$W_p$	138
Cells efficiency	%	18.8
Voltage at max power point	$V_{mpp}$ (V)	16.66
Current at max power point	$I_{mpp}$ (A)	8.32
Open – circuit voltage	$V_{OC}$ (V)	20.07
Short – circuit current	$I_{SC}$ (A)	8.63
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	1360 x 650 x 1.5
Weight	kg	2.2
Solar Cells		32 cells in series (array 4x8)
Frame		None

### ABSOLUTE MAXIMUM RATINGS

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

### OPTIONAL

Parameter	
Mounting hole	3mm diameter

### 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

