

High Efficiency, Lightweight, Flexible Photovoltaic Modules

Model Type: **HF234-6-28f**

FEATURES

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



ELECTRICAL CHARACTERISTIC

Parameter	Unit	
Peak Power	W_p	234
Cells efficiency	%	19.2
Voltage at max power point	V_{mpp} (V)	27.8
Current at max power point	I_{mpp} (A)	8.43
Open – circuit voltage	V_{OC} (V)	32.40
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/m², 25 °C, AM 1.5

MECHANICAL CHARACTERISTIC

Parameter	Unit	
Dimensions	mm	1500 x 980 x 1.2
Weight	kg	3.0
Solar Cells		54 cells in series (array 6x9)
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

