

# API-50

# ADVANCE

HIGH EFFICIENCY MULTICRYSTAL PHOTOVOLTAIC MODULE



## HIGHLIGHTS OF PHOTOVOLTAIC MODULES

These cells are encapsulated between a tempered glass cover and a pottant with back sheet to provide efficient protection from the severest environmental conditions. The entire laminate is installed in an anodized aluminum frame to provide structural strength and ease of installation.

## APPLICATIONS

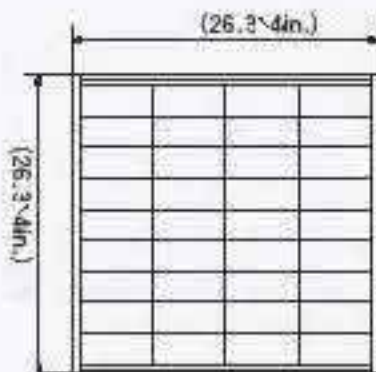
- Microwave / Radio repeater stations
- Electrification of villages in remote areas
- Medical facilities in rural areas
- Power source for summer vacation homes
- Emergency communication systems
- Water quality and environmental data monitoring systems
- Navigation lighthouses, and ocean buoys
- Pumping systems for irrigation, rural water supplies and livestock watering
- Aviation obstruction lights
- Cathodic protection systems
- Desalination systems
- Recreational vehicles
- Railroad signals
- Sailboat charging systems
- etc.

## LIMITED WARRANTY

25 year Limited Manufacturer's Power Output Warranty, 2 yrs full power output, 10 yrs 90% power output, 15 yrs 80% power output. For full warranty information contact Advance: Solar, Hydro, Wind Power, Inc.

### Physical Specifications

Unit: mm (in.)



### Specifications

■ Electrical Performance under Standard Test Conditions (1STC)	
Maximum Power (Pmax)	50W (+10%/ -5%)
Maximum Power Voltage (Vmpp)	11.0V
Maximum Power Current (Impp)	2.94A
Open Circuit Voltage (Voc)	2.2V
Short Circuit Current (Is)	3.9 A

■ Cells	
Number per Module	36
■ Module Characteristics	
Length × Width × Depth	26.34in X 26.34in X 1.14in
Weight	5.5 (10.5lbs.)