



# SolarRAE

Remote Alternative Power Source



The SolarRAE provides safe, reliable power generation without the expense of installing utility power. Intended for use with RAE Systems wireless products, including AreaRAE, MiniRAE 3000, etc., it features an externally mounted 30-watt solar panel that provides power to a 55-Amp/hr sealed gel battery and can provide continuous power for up to two weeks. Each solar enclosure is equipped with a powerful fan that automatically circulates cool air inside the enclosure when a specific temperature threshold is reached.

## KEY FEATURES

### Durable

- Rugged steel enclosure to withstand harsh environments
- Powerful ventilation fan enables use in hot environments
- Lightning arrestor to prevent damage to internal components

### Versatile

- Viewing window allows for local readings and alarm notification
- Large 55-Amp/hr gel battery specifically designed for solar applications
- Fully adjustable (tilt and rotate) 30W solar panel to maximize power output
- Fully adjustable external antenna to maximize radio transmission distances

- SolarRAE is compatible with AreaRAE series, SentryRAE, ChemRAE, MultiRAE Plus, MiniRAE 2000, ppbRAE Plus, MiniRAE 3000, ppbRAE 3000

## APPLICATIONS

- Oil & Gas
- HazMat
- Industrial Safety
- Civil Defense
- Environmental

- Fast installation
- Cost effective
- Maintenance free
- Stand-alone wireless



## SPECIFICATIONS

### Detector Specifications

Size	20" W x 10" D x 42" H (50cm W x 25cm D x 1065cm H) (see diagram below)
Weight	70.5 lbs (32 kg), not including battery weight
Material	Painted steel enclosure with stainless steel components
Solar Panel	30 W peak output
Battery	55-Amp/hr sealed gel
Charging Controller	97% efficiency with included overcharge protection
Cooling Fan	Maximum airflow of 84 cfm (2.4 m <sup>3</sup> /min)
Operating Temperature	-4° to 122° F (-20° to 50° C)
Pole Mount	2" to 3.5" diameter (5cm to 8.9cm)
Certifications	None

Specifications are subject to change

