Product Description

The top-mounted Solar Array Module provides an opportunity to install a self-contained emergency communication device where power and phone lines may not be available. Utilizing silicon nitride multicrystalline silicone cells, the high-efficiency photovoltaic array is an excellent alternative when other power options are not available or if interrupted power is a concern.
### Technical Features

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### Specifications

- **Height:** 26.5” (67.31 cm)
- **Length:** 59.4” (150.88 cm)
- **Width:** 1.97” (5.01 cm)
- **Weight:** 26.5 lbs. (12.02 kg)
- **Operating Temperature:** -40.0°C to 85.0°C (-40°F to 185°F)

### Performance

- **Rated Power (Pmax):** 140W
- **Power Tolerance:** +3%
- **Nominal Voltage:** 12V

### Electrical Characteristics(*)

- **Maximum Power(**) (Pmax):**
  - 140W
- **Voltage at Pmax (Vmp):** 17.3V
- **Current at Pmax (Imp):** 7.5A
- **Warranted Minimum Pmax:** 121.3W
- **Short-circuit Current (Isc):** 8.2A
- **Open-circuit Voltage (Voc):** 22.0V
- **Maximum Series Fuse Rating:** 20A
- **Maximum System Voltage:** 600V (US NEC rating)

### Mechanical Characteristics

- **Solar Cells:** 36 cells in a 4 x 9 matrix connected in series
- **Junction Box:** J-version junction box with 6-terminal connection block; IP 65, accepts PG 13.5, M20, 1/2” conduit, or cable fittings accepting 6-12mm diameter cable. Terminals accept 2.5 to 10mm (8 to 14 AWG) wire.
- **Diodes:** IntegraBus™ technology includes Schottky by-pass diodes integrated into the printed circuit board bus
- **Construction:**
  - **Front:** High-transmission 1/18” (3mm) tempered glass
  - **Back:** Polyester
  - **Encapsulant:** EVA
- **Frame:** Clear anodized aluminum alloy type 6063T6 Universal frame

*This data represents the performance of typical Code Blue arrays, and are based on measurements made in accordance with ASTM E1036 corrected to SRC (STC).

**During the stabilization process that occurs during the first few months of deployment, power may decrease by up to 3% from typical Pmax.

Note: Specifications subject to change without notice or obligation on the part of Code Blue Corporation.