

# Alertus High Power Speaker Arrays

Providing intelligible and effective notification to widespread, outdoor areas



## Features

Alertus High Power Speaker Arrays (HPSA) offer audible siren tones and industry leading text-to-speech technology delivering clear voice messages to large, outdoor environments. This product can be customized to address any site specific need.

- **Innovative Text-to-Speech Technology:** Dynamic text-to-speech technology provides clearly annunciated emergency notifications that sound natural over siren systems
- **Cost Effective:** Users can easily scale their system as needed
- **Secure:** Software is certified to be behind Department of Defense firewalls, making this system one of the safest and most secure options available
- **Reliable:** Wireless radio communication with optional IP/Wire redundancy; battery operated system is continually charged and self-monitored
- **User Friendly:** Launch alerts directly from the HPSA Dashboard in the Alertus Console. Run commands in real time, run self test, check device status, and manage configurations remotely

## Specifications

### High Power Speaker Arrays

- Broadcast intelligible text-to-speech, customizable siren tones, pre-recorded messages, and leverage as public address system
- Secure wireless digital & analog communication
- High Fidelity Class D 300W amplifiers
- Ability to integrate with other systems using audio inputs; local microphone
- High fidelity CODEC produces ultra-clear audio output
- Optional Local Control Unit microphone provides Live PA and cabinet level status check
- Durable lightweight aluminum alloy speaker
- Assembly weight of 19.8lb/speaker
- 150W audio driver

### Audio Power

- Audio output power: 150W - 3000W+ (additional amplifiers available)

- Amplifier output is 2 x 150W, maximum 200W capacity per channel

### Battery Power

- High efficiency, 10A, 350W Universal AC input battery charger with Dual AC & Solar inputs
- Input Power: 24vdc, using sets of two 12V maintenance-free batteries
- Intelligent battery charging; optimization based on modern algorithms to prolong battery life

### Intelligent Status Monitoring

- Self-monitoring and reporting capabilities including AC status, solar panel status, charger status, communication link status, battery status, amplifiers status, speaker status, and intrusion detection
- All status changes report automatically to Alertus Server
- High current/short circuit; high-temperature protection
- Enhanced automatic testing routines
- Internal memory storage of all events related to siren activities

### Operational Characteristics

- Over 90% energy efficient
- Working temperature range of -40°C/-40°F to 85°C/185°F
- Intelligent connectivity allows over-the-air configuration updates
- Up to 75 minutes of continuous full-power operation
- Stainless steel cabinet featuring separate vented battery and electronics compartments

### Communication

- Analog & digital radio communication
- Secure hardwired IP connectivity
- Digital modem (GPRS or Satellite)
- Redundant communication modalities