

Features

- Signal conditioning optimized for maximum power and intelligibility for HyperSpike® MA-Series Speakers
- Smart self-protection, speaker monitoring, and fault reporting
- Ruggedized construction and fully weatherized
- Customer equipment space and access to back-up power
- Continuous full-volume operation while switching to/from backup power
- Continuous AC operation (AC primary power with DC backup)
- 25/70/100V input adapter available
- Volume control and test tone button
- Record-play microphone accessory available
- Wall, pole, and/or pedestal mounting options

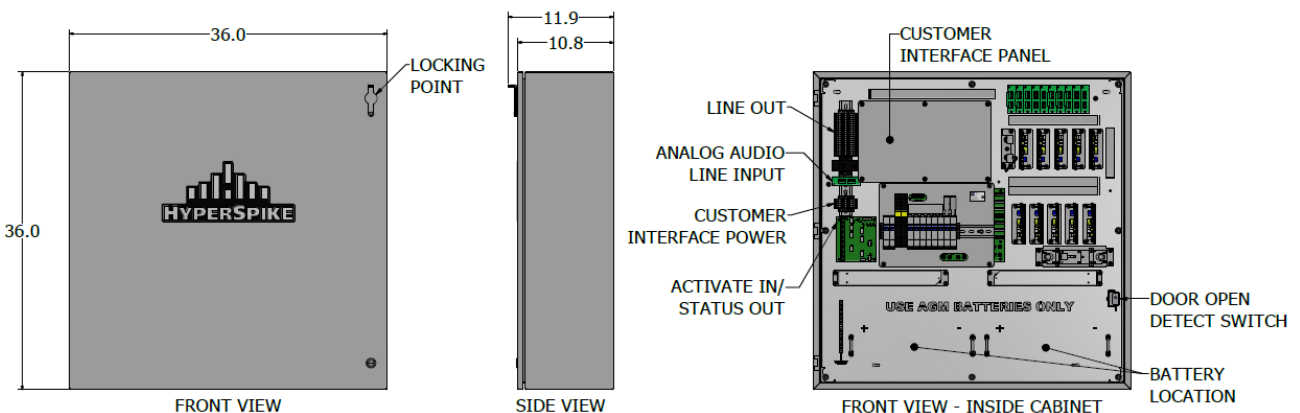


Description

Engineered and designed with the latest technology in mass notification control systems; when paired with a HyperSpike® MA-2 speaker, the Encompass Amplifier Cabinet is optimized to produce clear and authoritative voice commands with an acoustic footprint of greater than 12 square miles.

The cabinet automatically switches to the best power source, performs self-diagnostics, and reports status to the outside world through industry-standard Form C relay fault reporting. Packaged in a NEMA 4 enclosure (4X upgrade available) with a pad-lockable door, the Encompass Amplifier Cabinet is ready to be installed in either indoor or outdoor applications.

When making announcements, the HyperSpike® Encompass Amplifier Cabinet responds at a moments notice and will continue to broadcast as long as required. With best in class response time and thermal fold-back capabilities, your message is broadcast regardless of its length.



Specifications

Cabinet Specifications			
Electronic Cabinet Dimensions	36" T x 36" W x 12" D		
Electronic Cabinet Weight	155 lbs max (not including batteries)		
Battery Weight	Various (based on model and standby power requirements)		
Cabinet Mounting	Pedestal\Pole\Wall Mounting Kits		
Speaker	HyperSpike® MA-Series Notification Speakers		
Audio Interface			
Audio Enable Input	24VDC nominal relay closure		
Audio Enable	Enable Input Active AND Line-in Signal above Detect Threshold		
Audio Input	Differential, 1 VRMS (25/70/100 VRMS adapter accessory available)		
Trouble Outputs	Trouble Signals: Master, AC, DC, Temperature, Tamper, Amp, Speaker		
Output Channels	1 2 3 5 6 10		
Output Wiring	Min 16 AWG per channel (see manual)		
Power Interface – Designed with Intelligent Power Switching Technology			
Primary Input Voltage	120 to 240 VAC; 50 to 60 Hz Single-phase (Universal AC/Auto-switching)		
Output Power	320W (avg), 640W (peak)/channel		
Standby Time	24-72 hrs (Based on battery size and use case)		
AC Current Rating	Channels	1-5	6 or 10
	<200VAC	20A	30A
	>200VAC	15A	30A
Battery Charger (AC Powered)	3A Smart Charger		
DC Back-up Voltage	24V ± 3V		
Batteries	Customer Supplied (Recommend AGM Batteries – see manual for details)		
Amplification			
Digital Signal Process	Optimized Acoustic Performance (Filtering, EQ, Compression, Limiting, etc.)		
Frequency Response	Full speaker bandwidth		
Amplification	Class D		
Efficiency	Greater than 90% at full load		
Thermal Protection	Yes – with thermal foldback technology		
Short Circuit Protection	Yes		
Environment			
Operating Temperature	-20° C to 60° C (-40° C with optional heater)		
Electronic Cabinet Rating	NEMA 4 or 4X		
Transient Protection	Built-in Cabinet Transient Protection		

Architect and Engineer Specifications

The High Power Speaker Array shall be a HyperSpike® model MA-____, providing alarm tone, pre-recorded or live voice announcements at ____ dB. Measured at 1 meter from the source. The emitter shall be a: [1, 2, 3 or 5] sided unit with one (1) 2" outside diameter (OD) pipe and pedestal, pole or wall mounting hardware.

The Electronics shall be: One (1) amplifier cabinet, with terminations and all components fully assembled and tested; Universal AC/Auto-switching (120 to 240 VAC; 50 to 60 Hz Single-phase) power supply. The electronic controls shall operate on 120-240 AC primary power input as well as 24V DC power backup. Audio output power shall contain thermal fold back capabilities and should be __W and have a maximum AC current draw of up of __ Amps.

The Amplifier Cabinet shall have a NEMA 4 or 4X rating and operate within a temperature range of -40°C to 60°C when used with an optional heater.