

The EverAlert emergency communication platform has a broad variety of features to help consolidate the number of information and communication systems in your facility. Because these functions require reliability and flexibility, American Time offers a number of options for powering your EverAlert devices to ensure your system can be configured to meet your needs.

OPTIONS

The default power option for both the Dynamic Display and the Dynamic View is a standard 120V power supply, which uses a three-prong plug to connect to a standard electrical outlet. For devices connected to 120V power, American Time also offers a power backup kit, which replaces the entire 120V power supply and provides a minimum of 30 minutes of reserve power to the EverAlert device in the event of a power outage.

For facilities adopting power-over-Ethernet (PoE) infrastructure, a PoE option is also available for the Dynamic Display. This allows both power and data to be provided to the Display through your PoE+ infrastructure; it also means that your Dynamic Displays will have the same power/data backup functionality as the rest of your wired network infrastructure.

Let's look at these three options in further detail.

american  time®



**120V Power Supply
(standard)**



**Power Backup Kit
w/ Power Supply**



PoE Adapter



120V Standard Power Supply

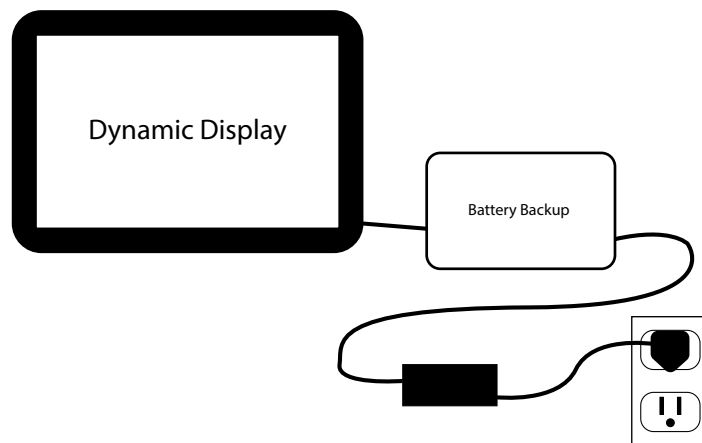
The standard power option for the Dynamic Display and Dynamic View is the 120V power supply; this comes with a three-prong plug designed for use in a standard grounded electrical outlet and an AC adapter. The AC adapter can be mounted in the bracket on the Dynamic Display wall mount, allowing it to be concealed behind the display.

Using this power supply requires a 120V outlet near the location your EverAlert devices will be installed, and will provide power only if the outlet has power - for example, unless your facility has a generator or other means of backup power, the EverAlert devices using this power supply will not be functional during a power outage.

Power Backup Kit

The power backup kit uses a lithium iron phosphate (LiFePO4) battery to provide a minimum of 30 minutes of power to EverAlert devices in the event of a power outage. The battery is connected in line with the power supply and EverAlert device; power from the power supply will both maintain the battery's charge and provide power directly to the EverAlert during normal operation. If facility power is interrupted, the EverAlert device will automatically begin drawing power from the battery and continue uninterrupted operation until the battery is depleted.

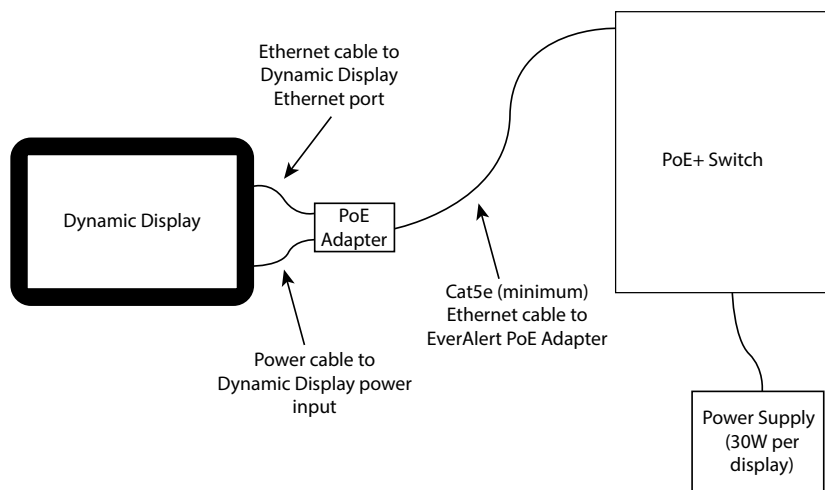
It is important to note that the power backup kit has its own AC power supply unit. This unit looks very similar to the standard 120V EverAlert power supply, but has different specifications. The power supplies are not interchangeable.



PoE Adapter

For facilities with power-over-Ethernet (PoE) infrastructure, the EverAlert PoE adapter is an ideal solution for providing both power and data connectivity. The PoE adapter receives PoE+ power (48 volts, 30 watts) and data through an Ethernet cable; the power is then passed to the Dynamic Display using an adapter cable, while the data is connected to the Ethernet port on the Dynamic Display via a short Ethernet patch cable.

The PoE adapter requires a PoE+ switch, with a port for each Dynamic Display and a cable running to each adapter. Standard PoE switches will not provide adequate power to operate the Displays. A minimum of 30 watts per display is required. Because both power and data are provided from the PoE+ switch, this means the connected Dynamic Displays will be backed up in the same manner as your network in the event of a power outage.



For additional information on choosing the appropriate power option for your application, contact an American Time specialist via phone at 800-328-8996 or [submit a contact form](#).