

In a Cardiac Emergency, What Goes Through Your Mind?



Is the AED ready? Will I remember how to use it? Responding to a cardiac emergency can be stressful, chaotic and confusing, especially when it involves a friend, family member or coworker. We believe you shouldn't have to worry about whether your AED will be ready and working when you need it. We designed our Powerheart G3 family of AEDs with this concept in mind. Our patented technology helps ensure that your Powerheart AED is ready, easy to use and provides the most advanced therapy available on the market. This makes Powerheart the AED of choice for cardiac emergencies in any setting.

RESCUE READY® RELIABILITY

There are three critical components to any AED: electrodes, battery and internal circuitry. According to a recent study, electrodes' cables are often the source of defibrillator failures.¹ When an AED cannot confirm on a daily basis that the electrodes are present and functional, the possibility of your AED not being Rescue Ready increases.

Daily Testing	Powerheart	Lifeline
Electrodes:		
Presence	Yes	Yes
Function	Yes	No
Need for a 9-volt battery to perform self tests	No	Yes ²

Powerheart G3 models perform self tests on critical components without requiring the user to install an additional battery in the AED. The DefibTech Lifeline AED requires the use of a 9 volt battery to run its self tests.

EASE OF USE

Because the scene of an emergency is often chaotic and noisy, it is important that your AED offers both audible and visual instructions.

Additionally, the AED should allow all potential rescuers, including those that are audio challenged, to operate this important piece of safety equipment.

For these reasons, a text display is a very important feature on an AED.

	Powerheart	Lifeline
Automatic therapy delivery*	Yes	No ²
Text display	Yes	No ²

*Powerheart AED G3 Plus and G3 Auto models

Only the Powerheart AED family offers both automatic therapy delivery and a text display in a single AED!

ADVANCED TECHNOLOGY

American Heart Association Guidelines 2005 for the Treatment of Cardiac Arrest patients have placed a renewed focus on performing CPR.⁶ AEDs designed for use by first responders, should guide them on how to perform CPR with voice and text prompts.

	Powerheart	Lifeline
Extensive CPR prompting	Yes	No
Metronome*	Yes	No

*Powerheart AED G3 Plus and AED G3 Pro models

STAR® BIPHASIC TECHNOLOGY

Comparing the defibrillation waveform technology from one AED to another can be very confusing. This being said, it is important to choose effective and proven therapy. Our STAR biphasic waveform technology assesses unique characteristics of a patient and customizes the defibrillation energy dose they receive.

	Powerheart	Lifeline
Escalating Energy	Yes ³	No

The Powerheart G3 family is the only AED family with STAR Biphasic Technology

Most defibrillator manufacturers run clinical trials to verify the effectiveness of their defibrillation technology.

	Powerheart	Lifeline
First Shock Effectiveness	100% ⁴	No Data

DefibTech has not completed a clinical trial on the efficacy of their defibrillation waveform.

WARRANTY

Warranty length is an important item to take into consideration when buying an AED.

	Powerheart	Lifeline
AED Warranty	7 - years ⁵	5 - years ²
4-year battery full replacement guarantee	Yes ⁵	No

Powerheart AEDs are the only AEDs that have a 7-year warranty on the AED and 4-year battery full replacement guarantee.

1. Safety Tips: External Defibrillator with "Hands-free" Capability: recommendations for maintaining their cables and connectors, Medical Product Safety News, Volume 7, Issue 2, Feb. 2007.
2. DefibTech User's Manual (DAC - 510E rev. G) and Warranty Statement
3. Cardiac Science STAR Biphasic White paper
4. Bain AC, Annals of Emergency Medicine, January 2001
5. Cardiac Science Warranty Statement
6. 2005 AHA Guidelines for CPR and ECC, part 5, Page IV-35

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Cardiac Science Powerheart G3 family vs. DefibTech Lifeline