

# The Power to Save Lives is in Your Hands



Powerheart® AEDs in the Workplace

# Empower Your Workplace to Save Lives

## Discover why workplaces trust Powerheart® AEDs

According to the Occupational Safety and Health Administration (OSHA), sudden cardiac arrest (SCA) accounts for 13 percent of all workplace fatalities and is the leading cause of death in the United States. Are you prepared to respond to an SCA emergency? From global organizations to small businesses, organizations have entrusted Cardiac Science to be their automated external defibrillator (AED) provider, and assist with implementing and managing their entire AED programs.

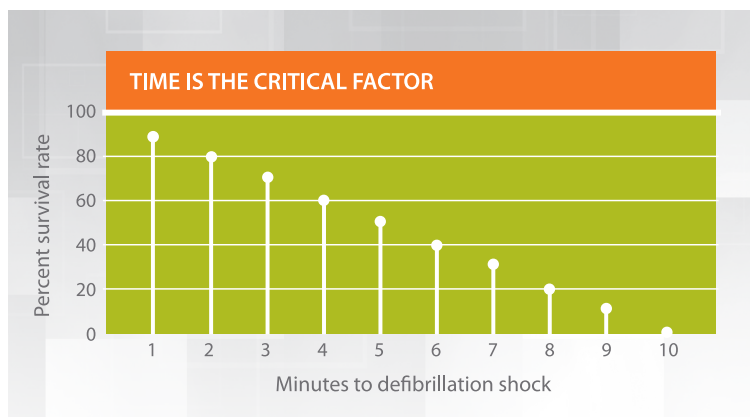
### The importance of AEDs

Investing in AEDs and making early defibrillation a part of your emergency-response plan is important. Here's why:

- Defibrillation within three minutes of SCA increases the chances of survival to 70 percent. A shock within one minute of collapse raises the survival rate to 90 percent.<sup>1</sup>
- Calling 911 is necessary but the wait for first responders may take too long. The average call-to-shock time in a typical community is nine minutes.<sup>2</sup>
- OSHA now recommends AEDs in the workplace, and legislation in your state may require workplaces to provide them.



**The critical factor? Having an AED within reach. Fast.**



### The law is on your side

AEDs are quickly becoming common safety devices within the workplace. Not only that, they represent good business practice for protecting employees and customers from SCA.

The Cardiac Arrest Survival Act provides AED users and owners with liability protection. As added protection, the Cardiac Science indemnification agreement is included—among the strongest in the industry—with each Powerheart AED.

### Why trust Cardiac Science?

Successful AED programs require more than AEDs—they require a strategy and implementation plan based on your needs. That's where we come in: Our Rescue Ready® AED Services will manage the details of the entire AED program so you can focus on saving lives.

In fact, organizations with Rescue Ready programs see survival rates increase to more than 50 percent, up from the national average of only 5 percent.<sup>3</sup> To date, we've implemented more than 20,000 AED programs and our 150 employee educators have taught more than 350,000 students. We sell our products and services globally, and support international customers with a network of in-country distributors.

1. San Diego Project Heart Beat website, April 2015.

2. American Heart Association. 2004 Heart and Stroke Statistical Update. Dallas, Texas: American Heart Association, 2003.

3. Cardiac Science customer data.



**AED Heroes:  
David Lloyd Leisure Fitness Clubs**

One of Europe's largest fitness clubs, David Lloyd Leisure (DLL) is responsible for employee and customer safety in multiple high-volume locations. With more than 440,000 members, the company receives 25 million club visits a year. Since 1998, the DLL staff has used Powerheart AEDs to save the lives of more than 100 people.

"Our feeling is every fitness facility should have an AED, even if there's no legal requirement," said Caleb Brown, health and safety office at DLL. "AEDs have become so affordable, easy to deploy and learn so this is really easy for a health club to do – they've already got team members available."

	Powerheart® G3 Plus	Powerheart® G5
<b>Ease of Use</b>	Clear voice prompts and helpful text prompts on a backlit display guide the user through the entire rescue operation.	Clear voice prompts and backlit text screen guide the user through the entire rescue. With a single touch, the G5 instantly switches to an alternate language without delaying the rescue. Optional Intellisense™ CPR Feedback monitors chest compression rate and depth.
<b>Ruggedness</b>	Backed by a 7-year warranty, this AED features an Intellisense® non-rechargeable battery that includes a 4-year performance guarantee.	Backed by an 8-year warranty, this AED features a high water and dust ingress protection rating (IP55), and an Intellisense non-rechargeable battery that includes a 4-year performance guarantee.
<b>Readiness</b>	Each day, patented Rescue Ready® technology automatically self-checks main AED components (battery, hardware, software, pad presence, and defibrillation pad functionality). The AED also completes a partial charge of the high-voltage electronics weekly, and a monthly full charge to ensure readiness.	
<b>Advanced Technology</b>	Patented RHYTHMx® technology distinguishes between shockable and non-shockable heart rhythms. Sophisticated STAR® biphasic technology calculates electrical impedance and tailors the shock to the patient. Energy is escalated to deliver therapy at an appropriate higher level should a patient require a second shock.	



# 5 Reasons to Choose a Powerheart® AED



1

## PATENTED RESCUE READY® TECHNOLOGY

Powerheart AEDs perform automatic daily, weekly, and monthly self-tests to monitor critical components including the internal circuitry, software, and medical-grade battery for readiness; the pre-connected defibrillation pads are also tested for both presence and functionality. If anything is amiss, the Rescue Ready indicator immediately changes from green to red and emits an audible distress tone to cue users that attention is required.

2

## EASY WITHOUT COMPROMISE

Extensive rescue and CPR prompts guide first-time rescuers through the stressful situation. Our innovative RescueCoach™ technology, backed by research,<sup>4</sup> guides first-time responders through the entire rescue process. And it delivers the confidence to perform a rescue. The fully automatic shock delivery feature eliminates user hesitation.<sup>5</sup> Intellisense™ CPR Feedback monitors the quality of both chest compression depth and rate. If either compression rate or depth is outside the 2015 American Heart Association acceptable parameters, the rescuer will receive a short corrective prompt to ensure effectiveness.

3

## ADVANCED PATIENT CARE

Each Powerheart AED includes patented RHYTHMx® technology to assess the patient's heart rhythm. Sophisticated STAR® biphasic technology delivers a customized shock at an appropriate energy level.

4

## FLEXIBILITY AND DURABILITY

Powerheart AEDs are designed to be tough and have been deployed in the most challenging settings. The high-impact AED meets rugged military standards and a high ingress protection rating (IP55) against water and dust. The Powerheart G5 lets you choose from an array of prompt settings, shock protocols, and CPR settings to meet specific requirements.

5

## THE PEACE OF MIND IN WORKING WITH CARDIAC SCIENCE

For more than 20 years, Cardiac Science has developed patented technologies such as fully automatic AED operation, pre-connected pads, and many other innovations that shape how first responders use AEDs to save lives. Each Powerheart is supported by an experienced global staff of AED Certified Specialists and a team of select partners to provide expert deployment consultations and training. Finally, Powerheart AEDs are built to last with a multi-year device warranty program, the industry's strongest indemnification policy, and a 4-year full operational guarantee on genuine Intellisense® non-rechargeable medical-grade batteries.

4. Peer reviewed study by Benjamin S. Abella et al. "Untrained Volunteers Perform High Quality CPR When Using an Automatic External Defibrillator with a CPR Voice Prompting Algorithm," *Circulation*. 2007; 116:11\_437.

5. Note: Fully automatic models are not available in every country.

## At the Heart of Saving Lives®

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