

 **CARDIAC**  
science™



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**AED**



# The Powerheart G5 gives you the confidence to act.

The complete AED solution for workplaces, sporting clubs and public places.



## Easy without compromise.

First-time users can successfully perform each critical step of a rescue with the Powerheart G5's real-time CPR feedback, user-paced instruction, intuitive pad design and automatic shock delivery. (Semi-automatic model also available.)

What happens in the first few minutes following a sudden cardiac arrest (SCA) can make the difference between life and death. With more than 40 U.S. patents, the Powerheart® G5 is the first AED that combines variable escalating energy with fast shock times and real-time CPR feedback. Easy, intuitive operation and user-paced prompts enable responders in workplaces and public spaces to act quickly and confidently to give an SCA victim the best chance of a favourable outcome.

## Key Facts/Statistics:

- It is estimated over 20,000 Australians suffer a Sudden Cardiac Arrest (SCA) each year
- Current survival without an AED is between 2 and 5%
- For each minute that passes, the chance of survival is reduced by 10%, therefore only a 10 minute “window of opportunity”
- Average ambulance response times is between 10-12 minutes
- The only guarantee to get there in time is by having an AED on site
- You cannot inappropriately use a Powerheart G5
- SCA is not gender or age specific

## Key features of the Powerheart G5:

- 7 year warranty
- 4 year full replacement battery guarantee (5 year shelf life)
- Daily, weekly and monthly comprehensive automatic self-testing of critical components
- Comprehensive voice and text prompts including detailed CPR prompts (how to perform CPR)
- Optional CPR Device giving user clear instruction and real-time feedback prompts (how to perform CPR)
- Optional semi automatic or fully automatic (no buttons to press)
- Interchangeable electrodes/pads (not side specific)
- Customised energy for each patient (95 - 354 joules)
- 90 minutes of Internal rescue data
- Easy USB data transfer/upload software
- Design tested to military standards and IP55 rating (dust and water)



## Rugged and self-disciplined.

The Powerheart G5 is ready to go when you need it, with a durable design tested to military standards and an IP55 rating for protection from dust and water. The highly visible Rescue Ready® indicator confirms your G5 passed rigorous daily, weekly, and monthly self-tests.

## Incredibly smart.

Rely on the Powerheart G5's advanced technology with customised escalating energy and fast shock times.

# Powerheart G5

## TECHNICAL SPECIFICATIONS

### DEFIBRILLATOR

Operations	Fully automatic and semi-automatic versions
Waveform	STAR® biphasic truncated exponential
Therapy range (J)	95J to 354J (adult)
Factory default (nominal)	Escalating Variable Energy (VE): 200VE, 300VE, 300VE
Shock delivery	Within 10 seconds (typically) post-CPR
Voice prompts	RescueCoach™ prompts provide user-paced instruction
Text screen	Displays rescue prompts and critical rescue information
Audible alerts	Voice prompt, system alert
Synchronised shock	Built-in automatic synchronisation feature
Pacemaker pulse detection	Yes
Paediatric capability	Yes, therapy range (VE) 22J to 82J, paediatric prompts
Dual language	Yes, selected languages available
Customisable	Voice prompt, CPR settings, and shock protocols via AED Manager
CPR feedback	Real-time guidance for CPR rate/depth (optional), metronome for CPR rate
Visible indicators	Rescue Ready®, battery, service, and pad status
Warranty	7 years



### PHYSICAL/ENVIRONMENTAL

Dimensions (L x W x D)	30 cm x 23 cm x 9 cm (11.8 in x 9.1 in x 3.5 in)
Weight	2.5 kg (5.5 lbs), including battery and pads
Dust/Water resistance	IP55 (IEC 60529)
Operating temperature	0°C to +50°C (32°F to +122°F)
Altitude	-382 m (-1,253 ft) to 4,594 m (15,073 ft)
Drop	MIL-STD-810G, 516.6 (Procedure IV) for 1.22 m drop
Shocks	MIL-STD-810G, 516.6 (Procedure 1)
Vibration (sine and random)	MIL-STD-810G, 514.6 (Procedure 1, Cat 24)
EMI (radiated/immunity)	IEC 60601-2-4

### PADS

Type	Disposable, non-polarised (pads can be placed in either position)
Shelf life	2 years

### BATTERY Intellisense® lithium battery

Guarantee	4-year, full operational replacement
Capacity	500 shocks at 150VE ; 450 shocks at 200VE

### AUTOMATIC SELF-TESTS

Daily, weekly, and monthly	Battery, pads (presence and function), electrical circuitry, and software
Weekly	Includes partial energy charge
Monthly	Includes full energy charge cycle

### EVENT DOCUMENTATION

Internal memory	90 minutes of rescue data, multiple rescue functionality
ECG and rescue review	Viewable via AED Manager software
Communications	USB cable or USB drive

Each AED package includes (1) defibrillator, (1) Intellisense battery, (1) pair of defibrillation pads, (1) AED Manager software, (1) AED manual, (1) Getting Started card, and (1) Steps to a Rescue.



Cardiac Science is a global leader in automated external defibrillators (AEDs) and diagnostic cardiac monitoring devices. With the Powerheart G5, we've taken AED technology and design to a new level of reliability, ease of use, and effectiveness. No other AED offers the Powerheart G5's combination of advanced features that include Rescue Ready self-testing, variable escalating energy, fast shock times, and real-time CPR feedback.