



Cardiac Science Powerheart® G5 Automated External Defibrillator (AED)

What happens in the first few minutes following a sudden cardiac arrest (SCA) can make the difference between life and death. 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 favorable outcome.

Features and benefits

Easy to use

Users can successfully perform each critical step of 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).

Rugged and reliable

Ready to go whenever 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 has 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.

Warranty

The G5 is built to last with a seven-year device warranty and four-year full replacement warranty on the medical grade battery.



Battery Indicator

Powerheart G5 AED Technical specifications

Defibrillator

Operations	Fully automatic
Waveform	STAR® biphasic truncated exponential
Therapy range	95J to 354J (adult)
Factory default (nominal)	Escalating Variable Energy (VE): 200VE, 200VE, 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
Synchronized shock	Built-in automatic synchronisation feature
Pacemaker pulse detection	Yes
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-polarized (pads can be placed in either position)
Shelf life	2 years

Battery

Type	Intellisense® lithium battery
Guarantee	4-year, full operational replacement
Capacity	500 shocks at 150VE ; 450 shocks at 200VE

Automatic self-tests


Daily	Battery, pads (presence and function), electrical circuitry, and software
Weekly	Partial energy charge
Monthly	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 adult defibrillation pads**, (1) AED Manager software, (1) AED manual, Getting Started card, and (1) Steps to a rescue card.

**Optional CPR device available at point of order.

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