

Every Minute Counts

The Life-Saving Impact of AEDs



CERT ACADEMY
Certified *Emergency Response Training* Academy



PRIMEDIC
Saves Life. Everywhere.

AUTOMATED EXTERNAL DEFIBRILLATOR

AUTHORIZED DISTRIBUTOR

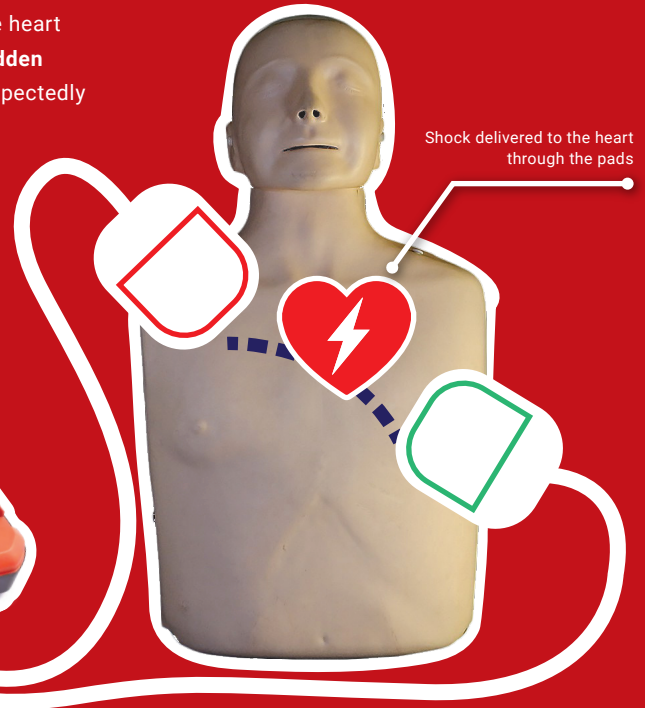
WHAT IS AN AED?

AUTOMATED EXTERNAL DEFIBRILLATOR

An **Automated External Defibrillator (AED)** is a portable device that checks the heart rhythm and can send an electric shock to the heart. AEDs are used to treat **Sudden Cardiac Arrest (SCA)**. SCA is a condition in which the heart suddenly and unexpectedly stops beating.

HOW DOES IT WORKS?

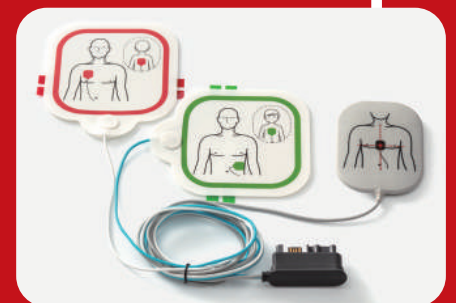
A built-in computer checks a victim's heart rhythm through adhesive electrodes. The system analyze whether defibrillation is needed. If needed, a recorded voice tells the rescuer to press the shock button on the AED. This shock momentarily stuns the heart and stops all activity. It gives the heart the chance to resume beating effectively. Instructions guide the user through the process.



THE ANATOMY OF AED

An **Automated External Defibrillator (AED)** can be breakdown to a few main segments but will be varies from brands.

ELECTRODE PAD





AED INCREASES SURVIVAL RATE



FIRST
10
MINUTES

IS CRUCIAL IN A CARDIAC ARREST SITUATION
in saving the victim as the survival rate will be reduced by 7-10% for every minute.
When defibrillation is delayed, survival rates decrease to approximately 50% at 5 minutes



BRAIN DEATH
IN 4-10 MINUTES
when there's no oxygen supplied to the brain



CPR ONLY
SURVIVAL RATE
is up to 16.1%* without any defibrillation

*A meta-analysis of 79 studies involving 142,740 patients.
NCBI - The Public Experience with Cardiac Arrest



MOST AMBULANCE ARE UNABLE TO ARRIVE
WITHIN 10 MINUTES IN MALAYSIA

CPR and early defibrillation plays an important role in survival rate

Turning Bystanders into Heroes: The Life-Saving Impact of AEDs



Cardiac arrest survivors vow to learn CPR and AED for life-saving mission

BULETTIN MUTIARA Admin October 9, 2023



Emergency equipment put to the test



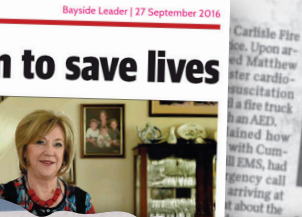
Five teens and AED save footballer's life

By GUY CARROLL
A 17-year-old footballer was saved from cardiac arrest by five teenagers who used an automated external defibrillator (AED) to revive him. The incident occurred during a match at the National Stadium in Singapore. The AED was used within the first four minutes of the collapse, which is crucial for survival. The teenager who used the AED was praised for his quick action.



Mother grateful AED saved daughter

First responders credit an automated external defibrillator for saving the life of a heart attack victim.



Police defibrillator saves life
A police officer used an AED to revive a man who collapsed on a road. The officer was praised for his quick action. The AED was used within the first four minutes of the collapse.



Heartfelt mission to save lives

Call for national rollout of defibrillators
A group of people are calling for a national rollout of AEDs. They believe that having more AEDs available in public places could save many lives. The group is working to raise awareness and lobby for government action.



Cardiac arrest - AEDs can make difference

Our volunteers work in teams and use a free app called CrowdStops to find the nearest AED. According to our records, 11,851 lives were saved by AEDs in the first four minutes of cardiac arrest. The percentage of lives saved increases significantly if an AED is used within the first four minutes. Most of the lives saved needed CPR and AED education. There are parts of the US where AEDs are not available, which is a concern.



CPR, AED help save life of futsal player who collapsed in Penang

A futsal player collapsed during a match in Penang. CPR and AED were used to revive him. The player was taken to the hospital and is recovering well. The incident highlights the importance of having AEDs in public places.



余添山:心脏复苏电击器不难学 4岁以上小孩也会救人

【檳城29日讯】善用心脏复苏电击器救人并不复杂，就连4岁以上的孩子都能学习如何操作。余添山表示，心脏复苏电击器操作简单，只需按照指示操作即可。他鼓励家长带孩子一起学习，以便在紧急情况下能够救人。余添山还提到，心脏复苏电击器的使用非常简单，即使是孩子也能学会。他呼吁社会大众关注心脏复苏电击器的普及，以挽救更多生命。

Prompt action helps save life

THE MORE DEFIBRILLATORS AROUND ISLAND, THE HIGHER THE CHANCE OF SURVIVAL!
A prompt action helped save a life. The use of an AED within the first four minutes of cardiac arrest significantly increases the chance of survival. The article emphasizes the importance of having AEDs in public places and the need for more people to be trained in their use.

THE NEW PAPER, MARCH 7

Cardiac arrest victims in schools, because at least one AED is expected to respond. AEDs are becoming more common in schools, which is a positive development. The article discusses the benefits of having AEDs in schools and the need for more training for staff and students.

ARINCLD LOH

ARINCLD LOH is a leading provider of AEDs and CPR training. They offer a wide range of services, including the purchase of AEDs, training courses, and maintenance services. They are committed to saving lives through their expertise in life-saving equipment and training.

Life-Saving Spots: AED Locations Across Malaysia



REASONS WHY YOU SHOULD CHOOSE MyHeart Primedic AED

- 1 4-Multi-Language Audio Guidance**
Clear, adjustable-volume prompts are available in four languages (Bahasa Malaysia, English, Mandarin, Tamil), ensuring ease of use in diverse settings. The voice prompt volume automatically adjusts based on environmental noise and is customizable in both volume and language sequence.
- 2 2-in-1 Adult & Pediatric Electrode Pads**
One convenient pad set covers both adults and children, simplifying inventories and switchovers in an emergency.
- 3 High-Capacity Battery - 360J**
Delivers up to 150 shocks at 360J with a five-year shelf life, ensuring it's ready when needed most.
- 4 Real-Time CPR Feedback**
The built-in CPR sensor provides real-time feedback on compression depth and speed, guiding rescuers to improve CPR quality and outcomes.
- 5 Extended Warranty**
Covered by an 8-year (5+3) warranty for the device.
- 6 Longer Shelf Life for Accessories**
Battery & Electrode Pad: 5-year shelf life for both, ensuring reliability.
- 7 IP55 & 1.6-Meter Drop Tested - Built for Tough Environments**
Tested to IP55 standards for dust and water resistance, plus 1.6-meter drop testing, making it ideal for tough environments.
- 8 Rapid Shock Readiness within 7 seconds**
Powers on and charges within 7 seconds, delivering lifesaving therapy fast when every second matters.
- 9 Effortless Monitoring**
The device's screen displays a clear "OK" status at a glance, confirming it's always ready to save lives.
- 10 Integrated CPR Kit**
A dedicated slot at the AED's rear neatly stores your CPR essentials, ensuring critical tools are always at hand during emergencies



MyHeart Primedic S-series AED

Product Overview



DEFIBRILLATION

Operating modes	MyHeart S-series: semi-automatic external defibrillator MyHeart S-series: fully-automatic external defibrillator
Impulse shape	Biphasic truncated exponential, auto-compensation according to patient impedance.
Optional output energy	For adults: 100 J, 150 J, 170 J, 200 J, 300 J, 360 J For children: 10 J, 15 J, 20 J, 30 J, 50 J, 70 J, 100 J
Default Shock series	Default adult energy sequence: Default children energy sequence: Level 1: 200 J Level 1: 50 J Level 2: 300 J Level 2: 70 J Level 3: 360 J Level 3: 100 J Shocks: Level 1, level 2, and level 3 can be configured. The energy configuration of the latter level must be greater than or equal to the energy of the previous level. Meeting ERC guidelines 2021 and AHA guidelines 2020 by default.
Charge time	Parameter for the MyHeart S-series for charging Charge time: the first shock: From open device cover to charge 200 J done: no more than 7 s From open device cover to charge 360 J done: no more than 14 s From AED analysis to charge 200 J done: no more than 5 s From AED analysis to charge 360 J done: no more than 12 s
Impedance measurement	25~300Ω
Databases for ECG evaluation	8 databases selected for ECG evaluation: VFDB / CUDB / MITDB / EDB / SVDB / AFDB / LTAADB / SADB

ELECTRODES

Model	Disposable defibrillation electrodes Disposable defibrillation electrodes with CPR feedback sensor
Lifetime	with sealed bag Up to 5 years.
Total area	105±10 cm ²
Maximum number of defibrillation shocks	Up to 50 shocks
Adult / pediatric electrodes	Universal for adult and pediatric with one button switch

BATTERY

Battery type	LiMnO ₂ , 12V, 4.2Ah, non-rechargeable
Standby life	5 years
Operating time	300 times 200 J discharge or 150 times 360 J discharge or operate 12 hours.
Battery insertion and removal	No tools needed to insert or remove the battery

ACCESSORY KIT

The emergency kit is attached to the back of the device and contains the following accessories:	
1x Scissor	1x Disposable razor
1x Pair of disposable gloves	1x Resuscitation mask

DATA MANAGEMENT

Internal memory	3 GB, storage of 10 hours of ECG wave, 2000 events, 2 hours of audio log, 3650 Self-test reports
Data export	USB port: USB 2.0
Language selection	Up to 4 languages (Bahasa Malaysia, English, Mandarin and Tamil)

SELF-TEST

Automatic self-test	The MyHeart S-series carries out automatic self-tests when switch on the device, daily, monthly and every half year on different contents to ensure that it is always ready for operation.
Status display	[OK] indicates device ready to use; [X] indicates possible error or during self-test

ENVIRONMENT SPECIFICATION

Operating conditions	Recommended condition to save lifetime of the battery. -5°C to 55 °C (23 °F~131 °F), 5 to 95 % rel. humidity, but without condensation 570 hPa to 1062 hPa
Transportation and storage conditions	Recommended condition to save lifetime of the battery. Short term -30 °C~+70 °C (-22 °F~158 °F), 5 to 95 % rel. humidity, but without condensation 570 hPa to 1062 hPa Long term +15 °C~+35 °C (59 °F~95 °F), 5 to 95 % rel. humidity, but without condensation 570 hPa to 1062 hPa
Dust/water resistance	IP55
Adaptive volume control	The MyHeart S-series detects the ambient volume and automatically adjusts the volume of voice instructions.

PHYSICAL CHARACTERISTICS

Dimensions	(L x W x H) 29.6 cm x 22.0 cm x 9.7 cm (±0.1 cm)
Weight	Approx. 2.5 kg (with energy module, battery and pads) (±0.3 kg)
Drop test	height 1.6 m
Main unit life	10 years

WARRANTY

8 years (5+3) warranty for the device

MyHeart Primedic P-series AED

Product Overview

Semi-automated operation - shock delivery at the touch of a button by the first aider.
Fully-automated operation - shock delivery by the AED for reliable defibrillation even for unsafe users.
Shelf life battery: up to 5 years.
Shelf life electrodes: up to 5 years.
Child mode at the touch of a button - no special pediatric electrodes are required in case of emergency.
Automatic daily self-tests with status display for function, battery, electrodes.
Metronome for correct pressure frequency during cardiac massage to support the user.
Automatically escalating defibrillation energy levels. (adults: 150J | 170J | 200J, children: 50J | 50J | 50J)
Internal storage of operational data, export via USB
4.3" LCD color display or touchscreen. (optional)
IoT (LTE & Wifi) for remote device management. (optional)
CPR feedback sensor. (optional)
GPS (optional)
12 years rechargeable battery. (optional)
Dust- and surge-proof. (IP 66)
Size approx 150 x 150 x 74 mm.
Weight only approx. 1.1 kg.
8 years warranty.



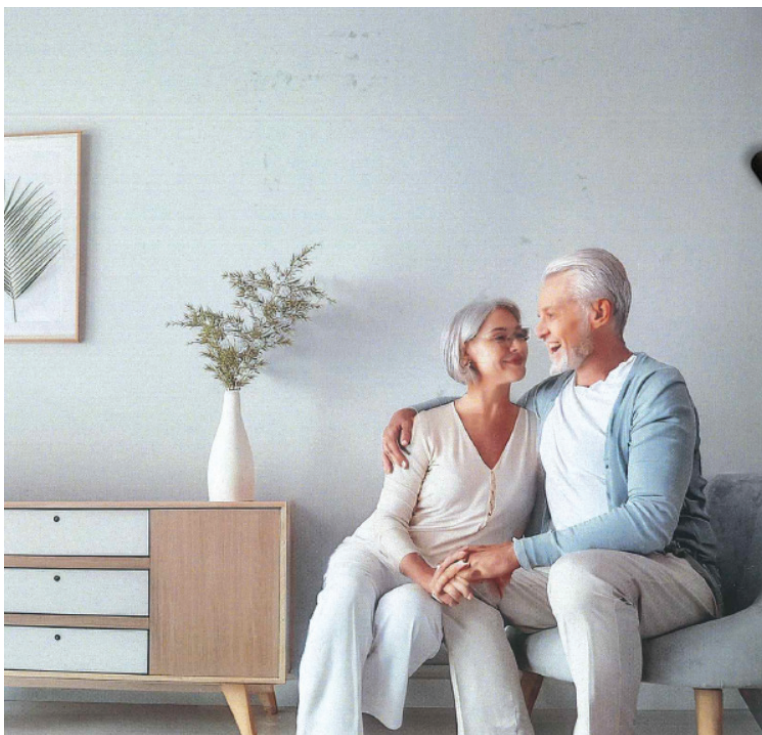
Your Portable Access Defibrillator

With its compact size of 15 x 15 cm, and weight only 1.1 kg, the AED is easy to carry and quickly ready for use in an emergency. This ensures you have the confidence of being prepared anytime and anywhere - providing critical protection when every second counts.

Your Personal Access Defibrillator

With pre-connected electrodes and an intuitive, self explanatory user interface, the AED ensures that even untrained users can act quickly and effectively in an emergency without losing valuable time.

Specifically designed for homecare, the AED can be optionally equipped with a re-chargeable battery that is continuously charged via a docking station. This eliminates the need for battery replacement, ensuring your AED is always ready to use.



Other AEDs



HEARTSINE
SAM 350P



HEARTSINE
SAM 500P



NIHON KOHDEN
AED-3100



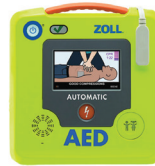
DEFIBTECH
LIFELINE VIEW



PHILLIPS
HEART START FRX



ZOLL AED PLUS



ZOLL AED 3



CARDIAC SCIENCE
POWERHEART G5

AED comparison chart

	Brand Model	Warranty	Language	CPR Advisor	LCD Screen	LTE/ WLAN	Adult and child mode	Maintenance period	Weight	IP rating
	MYHEART PRIMEDIC S1	5+3	4	YES	No	No	YES	BATTERY PAD	5 years 5 years	2.5 kg IP 55
	MYHEART PRIMEDIC S2	5+3	4	YES	YES	No	YES	BATTERY PAD	5 years 5 years	2.5 kg IP 55
	MYHEART PRIMEDIC P-SERIES	5+3	4	YES	YES (depending on variant)	YES (depending on variant)	YES	BATTERY PAD	5 years 5 years	1.1 kg IP 66
	HEARTSINE SAM 500P	8	1	Yes	No	No	Yes (Add on for Paedatric pad)	BATTERY PAD	4 years 4 years	1.1 kg IP 56
	HEARTSINE SAM 350P	8	1	No	No	No	Yes (Add on for Paedatric pad)	BATTERY PAD	4 years 4 years	1.1 kg IP 56
	ZOLL AED PLUS	7	1	Yes	No	No	Yes	BATTERY PAD	5 years 5 years	3.1 kg IP 55
	ZOLL AED 3	8	1	Yes	Yes	No	Yes	BATTERY PAD	5 years 5 years	2.5 kg IP 55
	NIHON KOHDEN AED-3100	8	1	No	No	No	Yes	BATTERY PAD	4 years 2.5 years	2.3 kg IP 55
	DEFIBTECH LIFELINE VIEW	8	1	No	Yes	No	Yes	BATTERY PAD	4 years 2 years	1.4 kg IP 55
	CARDIAC SCIENCE POWERHEART G5	5	1	No	No	No	Yes	BATTERY PAD	4 years 2 years	2.6 kg IP 55
	PHILLIPS HEART START FRX	5	1	No	No	No	Yes	BATTERY PAD	4 years 2 years	1.5 kg IP 55

Our Clientele



Extra Benefits of choosing MyHeart Primedic AED



Free AED Pad Program

When MyHeart Primedic AED pad is being used in SCA*

If you've used a MyHeart Primedic AED during a sudden cardiac arrest (SCA) in a public setting, we'll replace your AED pad for free within 5 years from date of purchase! Simply report the incident and provide us with the event data file.



Flexible Installment Plans

Easy ownership with flexible payment options for your AED

Get peace of mind without the upfront cost! Enjoy our installment plan, making AED ownership more affordable and accessible.



AED Care Program

Worried about your AED's readiness? We've got you covered!

Too busy to check and maintain your AED(s)? Concerned it might fail in an emergency? Let us handle it for you! Our AED Care Program provides regular inspections and maintenance, ensuring your device is always ready when you need it most.



CERT Heartbeat Program

Survivor of SCA donates an AED*

If you survived a sudden cardiac arrest (SCA) using a MyHeart Primedic AED, you can give back through the CERT Heartbeat Program by donating an AED to an organization of your choice—helping to save even more lives in your community.

Reseller's contact details

*terms and conditions apply



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