

Every Minute Counts

The Life-Saving Impact of AEDs



CERT ACADEMY
Certified *Emergency Response Training Academy*



MediCERT
MISSION TO SAVE LIVES



PRIMEDIC
Saves Life. Everywhere.

AUTOMATED EXTERNAL DEFIBRILLATOR

AUTHORIZED DISTRIBUTOR

registered company under GDPMD & MDA



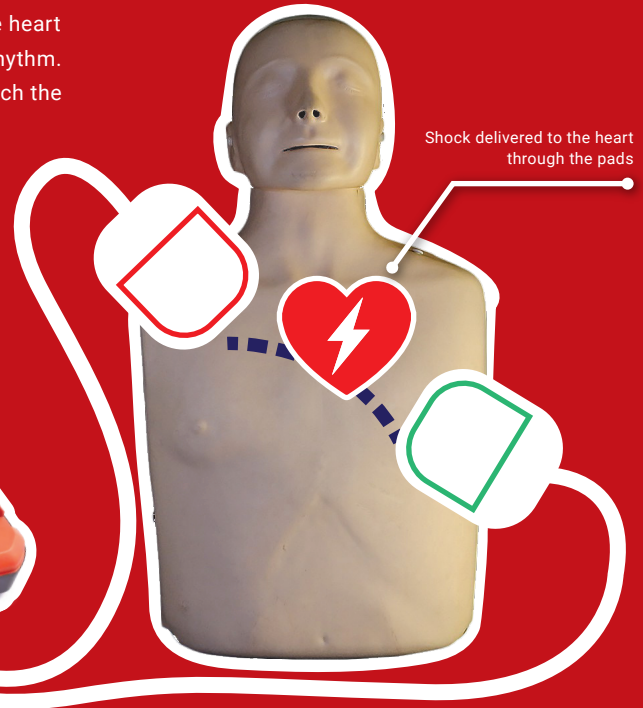
WHAT IS AN AED?

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 to try to restore a normal rhythm. 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.



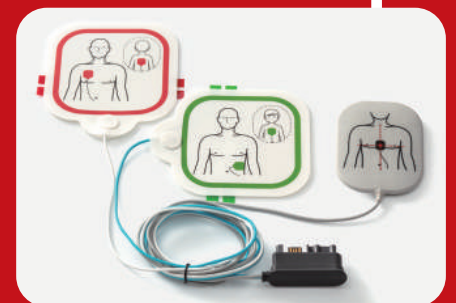
Shock delivered to the heart through the pads



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



INCREASE SURVIVAL CHANCE

CPR alone = up to **9%** CHANCE OF SURVIVAL

CPR + AED = up to **75%** CHANCE OF SURVIVAL



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

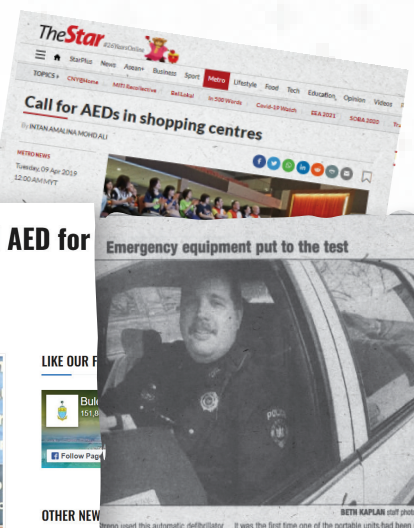
CPR and early defibrillation from AED plays an important role in survival rate

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



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

BULETIN MUTIARA Admin October 9, 2023



Five teens and AED save footballer's life



Mother grateful AED saved daughter

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



Heartfelt mission to save lives



Cardiac arrest - AEDs can make difference

IT IS sad to hear of cases of sudden death among children such as Nur Aisyah Is...

Prompt action helps save life



Our volunteers work in teams and they date successful completion of instruction use a free app called CrowdSt... iPhone and Android phones to nearest AED. According to our records, 11 851 lives saved were teens. A f... cent of lives saved were in the pri... age group. The percentage of live... places of learning, from prima... university, was 18. All these cases involved the u... CPR and AED education nee... CPR and AED education nee... Most of the lives saved need... shock, some needed two or more... an AED within the first four minutes... an AED within the first four minutes... There are parts of the US wh... ers are looking at or passing bill... McKeenan and Annette... McKillop, who, as a call, re... sponded to the call, Honors... back.

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



Life-Saving Spots: AED Locations Across The World



REASONS WHY YOU SHOULD CHOOSE Primedic AED HeartSave

- 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



Primedic AED HeartSave Y/YA0

Product Overview



DEFIBRILLATION

Operating modes	HeartSave Y series: semi-automatic external defibrillator HeartSave YA 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 HeartSave Y YA 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 without 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	1 language (configurable according to client's needs)

SELF-TEST

Automatic self-test	The HeartSave Y YA 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 HeartSave Y YA detects the ambient volume and automatically adjusts the volume of voice instructions.

PHYSICAL CHARACTERISTICS

Dimensions	(L x W x H) 29.6 cm x22.0 cm x9.7 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

Primedic AED HeartSave Y/YA8

Product Overview



DEFIBRILLATION

Operating modes	HeartSave Y series: semi-automatic external defibrillator HeartSave YA series: fully-automatic external defibrillator
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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: Level 1: 200 J Level 2: 300 J Level 3: 360 J Default children energy sequence: Level 1: 50 J Level 2: 70 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.
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Impedance measurement	25~300Ω
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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

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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

Our Clientele

BANK



OIL AND GAS



SERVICES



CONSTRUCTION



HOTEL & RETAIL



AUTOMOTIVE & ELECTRONIC



MANUFACTURING



PUBLIC SERVICES



EDUCATION



Extra Benefits of choosing Primedic HeartSave AED



Free AED Pad Program

When Primedic HeartSave AED pad is being used in SCA*

If you've used a Primedic HeartSave 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 Primedic HeartSave 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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*terms and conditions apply