

AEDs FOR YOUTH PROGRAM: AED COMPARISON CHART

for informational purposes only

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AED Glossary of Terms

AED: A portable medical device designed for anyone to use to treat people in sudden cardiac arrest, a condition where the heart suddenly and unexpectedly stops beating. The AED analyzes the heart and if it detects a problem may deliver a shock to restart the heart's normal rhythm.

Operation Mode: A fully automatic AED detects a shockable heart rhythm and delivers a shock without the need to push a button. A semi-automatic AED requires the user to press a button when indicated to deliver a shock.

Prompts: Voice and visual prompts guide users step-by-step through the process of using the device during a cardiac emergency.

CPR Coaching: The AED provides real-time voice instructions on how to perform CPR.

- **Metronome** helps you keep the beat when performing chest compressions.
- **Real-Time CPR Feedback** The feedback feature ensures that the cardiac arrest victim is receiving the correct rate and depth of chest compressions (e.g., push faster, push deeper, good rate, good depth, release fully).

Wi-Fi or Cellular Connectivity: AEDs with connectivity can be managed remotely and receive automatic software updates. For AEDs without reliable Wi-Fi, cellular connectivity provides similar benefits. For AEDs with cellular connectivity, GPS tracking may be included, allowing organizations to keep track of where each AED is located.

Self-Testing: AEDs are designed to perform regular self-tests to ensure that they are fully functional and ready to use in an emergency. These self-tests typically check internal circuitry, battery and electrodes/pads.






Converts to Trainer: A simulated version of AED that is used for training purposes. It allows individuals to practice using an AED without the risk of shocking a person.

Note: Training pads and simulators have to be purchased separately.

Electrodes/Pads: All AEDs come with adult pads; some can also be used for pediatrics and energy is adjusted by child mode button or pediatric key (i.e., Avive Connect AED, LIFEPAK CR2 and ZOLL AED3 with child mode button and Philips Heartsmart FRx with pediatric key) while others require you to purchase pediatric electrodes/pads separately. **Note:** Pediatric pads are for children 55lbs. or less or children under 8 years old.



SMART HEART SPORTS COALITION

| AED Features |  Connect AED |  Lifeline Lifeline View |  OnSite FRx |  HeartSine Samaritan |  AED Plus AED 3 Powerheart G5 |
|---|--|---|---|--|---|
| Operation Mode | Fully-Auto | Fully-Auto Semi-Auto | Semi-Auto Semi-Auto | Semi/Fully/Semi Auto Auto Auto | Fully-Auto Semi-Auto |
| Prompts | Voice & Visual | Voice Voice & Visual LED | Voice Voice | Voice & Visual Voice & Visual | Voice & Visual Voice & Visual LED Voice & Visual |
| Bilingual | Yes/ Button | No Yes/ Button | No No | No Yes/ Button | No No Yes/ Button |
| CPR Coaching & Real-Time Feedback | Voice & Video Coaching Metronome | Metronome Voice & Video Coaching Metronome | Voice Coaching Metronome Voice Coaching Metronome | Voice Coaching Metronome Voice Coaching Metronome Real-Time Feedback (450P only) | Voice Coaching Metronome Voice & Video Coaching Metronome Voice Coaching Metronome Real-Time Feedback |
| Wi-Fi or Cellular Connectivity | Integrated Wi-Fi & Cellular | No No | Cellular with Attachment Cellular with Attachment | Wi-Fi with Attachment Integrated Wi-Fi & Cellular | Integrated Wi-Fi Integrated Wi-Fi Wi-Fi w/Rescue Ready Monitor |
| Self-Testing | Daily Weekly Monthly | Daily Weekly Monthly Quarterly | Daily Weekly Monthly Quarterly | Weekly Daily | Weekly & Monthly Weekly & Monthly Daily Weekly Monthly |
| Converts to Trainer | Yes w/training pads cartridge | No No | Yes w/training pads cartridge Yes w/training pads II cartridge | No No | Yes w/simulator Yes w/simulator Yes w/simulator |
| Battery Life | Rechargeable | 5 or 7 years 4 years | 4 years 4 years | 4 years 4 years | 5 years 5 years 4 years |
| Electrodes/Pads Life | 2 years | 2 years 2 years | 2 years 2 years | 4 years 4 years | Adult 5 years Pediatric 2 years 5 years 2 years |
| Energy (joules) <i>see note about electrodes/pads</i> | Adult 150J Pediatric 50J | Adult 150J Pediatric 50J | Adult 150J Pediatric 50J | Adult 150J, 150J, 200J Pediatric 50J | Adult 120J, 150J, 200J Pediatric 50J, 70J, 85J |
| Warranty | 5 years; 8 years, if registered | 8 years 8 years | 8 years 8 years | 8 years 8 years | 5 years; 7 years, if registered 6 years; 8 years, if registered 8 years |
| Weight | 2.1 lbs. | 4.4 lbs. 3 lbs. | 3.3 lbs. 3.5 lbs. | 2.4 lbs. 4.5 lbs. | 6.7 lbs. 5.5 lbs. 5.7 lbs. |
| Minimum Advertised Price (AED Only) | \$1,699 | \$1,435-\$1,490 \$1,450-\$1,605 | \$1,965 | \$1,479-\$1,689 \$1,944-\$2,038 | \$1,411/\$1,651/\$1,761 \$2,442-\$2,764 |
| SMART Bundle Pricing | <u>Athletic School</u> | <u>Athletic School</u> <u>Athletic School</u> | <u>Athletic School</u> | <u>Athletic School</u> <u>Athletic School</u> | <u>Athletic School</u> <u>Athletic School</u> <u>Athletic School</u> |