



PHILIPS

Automated External
Defibrillators

Proven therapy



Why Philips AEDs?

Because the therapy is proven

43

published studies prove
effectiveness of Philips
AED therapy.



A shock from a defibrillator within three to five minutes of a sudden cardiac arrest (SCA) is widely recognized as the most reliable way to restore the heart's normal rhythm.¹ But which AED is the right choice for effective therapy?

The efficacy of Philips AED technology is supported by over 40 published peer-reviewed studies. Two of those studies showed 100% first shock efficacy.^{2,3} Another demonstrated 96%.⁴ No other AED manufacturer can claim superiority to Philips therapy. Our evidence was sufficiently compelling to make Philips technology the first Biphasic therapy to be recommended by the American Heart Association for a Class IIa designation, meaning "standard of care" and "intervention of choice".⁴

Discover how the Philips AED with SMART Biphasic technology can help you deliver effective therapy when responding to sudden cardiac arrest.

The right therapy can help save a life

Philips Healthcare pioneered biphasic AED therapy, the technology that is now the gold standard. But not all biphasic therapy is created equal. In fact, every manufacturer uses its own proprietary biphasic waveform. So why is the Philips AED with SMART Biphasic therapy the right choice?

Fast. In the event of SCA, time is the enemy. With a Philips AED, your patient receives its highest peak current on the very first shock, as well as on every subsequent shock. Other AEDs hold back, escalating to higher levels only if necessary. Given this timing sequence with some other AEDs, patients may not get the therapy they need for as long as six minutes. And, with our proprietary QuickShock technology, Philips AEDs are among the fastest in delivering shock treatment after CPR. Reducing time to shock after chest compressions by even a few seconds can improve shock success.⁵

Efficient. Current is the true measure of shock intensity.⁵ Thanks to the unique Philips capacitor technology, Philips 150-joule shocks pack more peak current joule-for-joule than conventional higher-energy waveforms from other manufacturers.

Flexible. Philips AED with SMART Biphasic technology is proven to work for a wide range of patients. This includes children and infants, as well as those some claim are difficult to defibrillate – large, obese patients, those with high or low body resistance, people with recurring VF episodes, and those with a myocardial infarction.⁶⁻⁹

Effective. High energy and elevated joules do not necessarily lead to stronger shock or better outcomes. In fact, high energy may stun an already fragile heart.¹⁰ Philips AED with SMART Biphasic therapy combines high current for effectiveness and low energy to reduce the risk of stunning a vulnerable heart.

Automated. Philips AED with SMART Analysis automatically assesses heart rhythm to determine if a shock is needed. This automated feature persists regardless of whether the shock button is pressed. Philips AEDs will adjust the shock intensity instantly based on the patient's body resistance, so escalating energy is not necessary.

Therapy you can count on

Philips HeartStart HS1/OnSite and HeartStart FRx AED both incorporate our SMART Analysis heart rhythm assessment and SMART Biphasic technology. You can learn more about our advanced defibrillation technology at www.philips.com/USAed. It's the proven choice.



Philips HeartStart HS1/OnSite (left)
Philips HeartStart FRx (right)

The experts agree

Philips AEDs with SMART Biphasic technology have received scores of awards from independent organizations and respected publications. Among these recognitions are an outstanding published review by ECRI, an objective, non-profit evaluator of medical equipment, and a favorable owner survey by the British Department of Health. Rewards and recognition include:

- MD Buyline Highest Rating
- Best of What's New 2003, Popular Science
- Most Loved Products of 2004, Amazon.com
- Readers' Choice Award 2004, Today's Facility Manager
- Medical Design Excellence Award, 1997, 2003
- Best Products of 2004, Fortune
- Forbes Ten Years/Ten Disruptors
- External Defibrillator Business Development Strategy, Leadership of the Year 2005, Frost & Sullivan
- EMS Today, 2012 Hot Products

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9. Schneider et al. *Circulation*. 2000; 102(15): 1780-7.
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