



LIFEPAK® 500 AED Versus Zoll AED Plus™ AED Product Comparison

Medtronic Physio-Control LIFEPAK 500 AED

Zoll AED Plus



Is the AED Rugged and Field Proven?

More than 100,000 AEDs in use	Yes	No
Number of years the AED has been in service	6	1
Available in a version with MIL-STD for salt fog and highly accelerated life tests for vibration and temperature stress	Yes ¹	No
Battery technologies certified by multiple agencies for use in aircraft. Meets FAA TSO-C97, FAA TSO-C142, CAA SA01201 (Europe)	Yes	No
Maximum number of shocks with one battery (or set of batteries)	416	300
Available with rechargeable batteries	Yes	No

How Advanced is the AED's Technology?

Escalating biphasic full energy for difficult to defibrillate patients	Yes, 200–360J	No, 120–200J
Electrodes designed to fit ALS defibrillators used by most EMS paramedic teams	Yes	No
Available infant/child reduced energy electrodes for use on children under the age of eight	Yes	No
Uses ADAPTIV™ biphasic waveform that adjusts voltage and duration to deliver correct level of therapy to patient	Yes	No
Has motion detection to minimize possibility of incorrect shock/no shock decisions	Yes	No

Is the AED Easy and Economical to Own and Operate?

Number of steps to follow on device to properly execute first shock	2	9
Conventional electrode design recognized and used by thousands of medical professionals	Yes	No
Cost of replacing one set of electrodes after AED is used on a patient	\$42	\$160
Requires purchasing \$150 simulator/tester prior to placing AED into service, for periodic maintenance and after each use	No	Yes ²
Validated, Web-based refresher AED training with automatic tracking	Yes	No
Cost of training unit	\$398	\$575
Cost to replace separate, non-attached plastic lid	N/A	\$50

¹ LIFEPAK 500 DPS data sheet (MIN 3202913), from Medtronic Physio-Control

² Zoll AED Plus Administrators Guide, Page 13