











Comparison Matrix - AEDs

Features as reported in FDA-regulated User Manuals and other published marketing & technical materials

Manufacturer	Philips	Philips	ZOLL	Physio-Control	Cardiac Science	Cardiac Science	Defibtech	Defibtech	Heartsine	Heartsine
	Heartstart® Onsite	Heartstart® FRx	AED Plus® Auto/Semi-Auto with CPR-D padz	LifePak® CRPlus Auto/Semi-Auto	Powerheart® AED G5 Auto/Semi-Auto	Powerheart® AED G3 Plus Auto/Semi-Auto	Lifeline® Auto/Semi- Auto	Lifeline® View	Samaritan® PAD 450P	Samaritan® PAD 350P
										
Rescuer Support Features										
Fully Automatic Available? (no shock button to push)	NO	NO	YES	YES	YES	YES	YES	NO	NO	NO
Graphical Display of Rescue Steps?	NO	YES	YES	NO	NO	NO	NO	YES	YES	YES
User-paced prompts	YES	YES	NO	NO	YES	YES	NO	NO	YES	NO
CPR Coaching?	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES
CPR Metronome?	YES	YES	YES (Adaptive)	NO	YES	YES	YES	YES	YES	YES
CPR Feedback?	NO	NO	YES	NO	YES	NO	NO	NO	YES	NO
Text Display of Rescue Prompts?	NO	NO	YES	NO	YES	YES	NO	YES	NO	NO
Bi-Lingual?	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
Self-Testing & Environmental Features										
Self-Test Interval	Daily	Daily	Weekly	Weekly	Daily	Daily	Daily	Daily	Weekly	Weekly
Automated Self-Tests - What is tested?	Battery, electronics & software, pads for presence and function	Battery, electronics & software, pads for presence and function	Battery, electronics & software, pads for presence	Battery, electronics & Software	Battery, electronics & software, pads for presence and function	Battery, electronics & software, pads for presence and function	Battery, electronics & software, pads for presence	Battery, electronics & software, pads for presence	Battery, electronics & software, pads for presence	Battery, electronics & software, pads for presence
Status indicator	Visible and audible	Visible and audible	Visible and audible	Visible	Visible and audible	Visible and audible	Visible and audible	Visible and audible	Visible and audible	Visible and audible
IP Rating (dust/water protection)	IP21	IP55	IP55	IPx4	IP55	IP24	IP54	IP55	IP56	IP56
Manufacture recommended inspection interval	Monthly	Monthly	Monthly	Monthly	Periodical	Monthly	Daily	Daily	Monthly	Monthly
Operating Temperature	32° - 122° F (0° - 50° C)	32° - 122° F (0° - 50° C)	32° - 122° F (0° - 50° C)	0° to +50° C (+32° to +122° F)	32° F to +122° F (0° C to 50° C)	0° C to 50° C (32° F to 122° F)	0° to +50° C (+32° to +122° F)	0 to 50°C (32 to 122°F)	32°F to 122°F/0°C to 50°C	32°F to 122°F/0°C to 50°C
Standby Temperature	50° - 109° F (10° - 43° C)	32° - 122° F (0° - 50° C)	-20° - 158° F (-30° - 70° C)	-40° to +70° C (-40° to +160° F)	N/A	-30°C to 65°C (-22°F to 149°F)	0° to +50° C (+32° to +122° F)	0 to 50°C (32 to 122°F)	32°F to 122°F/0°C to 50°C	32°F to 122°F/0°C to 50°C
Defibrillation Features										
Defibrillation Energy: Type & Range	Fixed, Non-Escalating, 150Joules	Fixed, Non-Escalating, 150Joules	Fixed Energy, Escalating, 120J, 150J, 200J	Fixed, Escalating, 200J, 300J, 360J	Variable Energy, Escalating, 95J-354J	Variable Energy, Escalating, 95J-351J	Fixed, Non-Escalating, 150Joules	Fixed, Non-Escalating, 150Joules	Fixed, Escalating, 150J, 150J, 200J	Fixed, Escalating, 150J, 150J, 200J
Battery Expiration Notification - 30 Days?	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
Pads Expiration Notification - 30 days?	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
Data										
Internal Memory?	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES
Download Data?	Infared/USB	Infared/USB	Infared/USB	Infared/USB	USB or Serial Port	Serial Port/Data Cable	Data Card/Reader	Data Card/Reader/USB Port	Infared/USB	Infared/USB
Memory recording time?	15 mins	15 mins	20 mins	20 mins	90 mins, Multiple Rescues	60 mins, Multiple Rescues	Up to 12 hrs	Up to 30 hrs	90 mins	90 mins
Warranties & Accessory Life										
Electrodes compatible with manual defibrillators	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
Pediatric electrode capability	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Device Warranty	8 Years	8 Years	7 Years	8 Years	8 Years	7 Years	8 Years	8 Years	8 Years	8 Years
Battery Life (typical)	4 Years	4 Years	5 Years	2 Years - combined with 2 pairs adult pads	4 Years	4 Years	5 Years (7-year battery optional)	4 Years	4 Years	4 Years
Adult Electrodes Life (typical)	2 Years	2 Years	5 Years (CPR-D padz)	2 Years	2 Years	2 Years	2 Years	2 Years	4 Years	4 Years
Pediatric Electrodes Life (typical)	2 Years	Pediatric key (no expiration date)	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	3 1/2yrs - combined w/ battery pack	3 1/2yrs - combined w/ battery pack