

AED Plus



For more than 30 years, ZOLL® has designed products that support first responders, medical personnel and everyday rescuers in times of crisis. The ZOLL AED Plus® defibrillator, with clinically proven, guideline-driven, real-time CPR feedback and industry-leading long-life consumables, sets the benchmark for dependability, durability, performance and readiness. Bystanders will be able to act quickly and confidently in a sudden cardiac arrest emergency.



Category	Technology	ZOLL AED Plus®	Philips HeartStart HS1 AED
AED	Integrated real-time CPR feedback	Yes, Real CPR Help® with: <ul style="list-style-type: none"> • Compression depth bar gauge • Audio and visual compression depth feedback • Adaptive metronome 	No integrated Real-time CPR feedback
	Instructive prompts	<ul style="list-style-type: none"> • Integrated instructive voice and text prompts • Visual icons guide responders through the rescue 	<ul style="list-style-type: none"> • Instructive voice prompts and visual support guide through the rescue • CPR coaching
	Pre-shock pause	13 seconds	8 seconds
	Display (format/type)	Monochrome LCD	None
	Paediatric capabilities	Yes, intelligent paediatric capability	Yes, paediatric CPR coaching
	Paediatric-specific ECG analysis algorithm	Yes	No
	Paediatric-specific energy delivery	Energy levels: 50, 70, 85 J	Energy levels: 50, 50, 50 J
	Electrodes	CPR-D-padz® adult electrodes Pedi-padz® II paediatric electrodes	Adult and paediatric electrodes
	Electrodes: Paediatric weight/age range	<25kg or <8 years old	<25 kg or <8 years old
	Optional ECG trace	Yes	No
	Data recording and storage	1 case, 7 hours of ECG and CPR data	First 15 minutes of ECG and complete event and analysis decisions
	Audio recording	1 case, 20 minutes voice, ECG and CPR data	No
	Device data export/import	IrDA	IrDA (import/export)
	FDA Pre-market approval (PMA)	Yes	Yes (Philips HeartStart OnSite)

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Readiness	Self-test frequency	Weekly (default), configurable frequency for every 1, 2, 3, 4, 5, 6, and 7 days	Daily, weekly and monthly
Managing Device Readiness	Device management software (cloud-based)	PlusTrac®	SMART Track
	iOS/Android app for device checks	CheckAED™ mobile app	No
	Consumable tracking	Yes	Yes
	Responder/training tracking	Yes	Yes
Clinical Data Management	Case management software	<ul style="list-style-type: none"> RescueNet® Event Summary RescueNet® CaseReview Premium 	HeartStart Event Review
	CPR performance summary	Yes	Yes
Consumables	Electrodes shelf life	<ul style="list-style-type: none"> CPR-D-padz: 5 years Pedi-padz II: 2 years 	<ul style="list-style-type: none"> Adult electrodes: 2 years Paediatric electrodes: 2 years
	Battery standby (installed)	5 years standby life	Up to 4 years standby life
	Consumables required for 10 years of use	1 set CPR-D-padz and battery	<ul style="list-style-type: none"> 4 sets of adult electrodes 4 sets of paediatric 2 batteries