

Lifeline AED

Your First Line of Defence





The Lifeline AED: Your First Line of Defence

The Lifeline AED is designed to be the simplest and most effective defibrillator on the market. Its clear, step-by-step audio instructions guide users through the rescue process, making it easy for untrained individuals to administer life-saving shocks. In critical moments, every second counts, and the Lifeline AED is designed to maximise survival rates.

Built to withstand harsh marine environments, the Lifeline AED is durable and reliable. Its robust design includes a bright yellow casing for maximum visibility and a rubberised handle and edges for protection from accidental damage. The Lifeline AED can be tailored to your specific needs and regulatory requirements with semi-automatic and fully automatic models and standard and high-capacity battery options.

By equipping your vessel with a Lifeline AED, you're proactively protecting your crew and passengers against long rescue intervention times. Its user-friendly design, rapid deployment, and advanced technology make it the ideal choice for maritime safety.

Key benefits of using the Lifeline AED at sea include:

- **User-friendly:** The world's simplest AED with easy-to-follow voice prompts
- **Safe and Reliable:** Automatic analysis only allows required shocks
- **Rugged and Durable:** IP54 Rated and built to military standards
- **Easily Portable:** Robust handle and lightweight build
- **Self-Testing:** Ensures the device is always rescue-ready
- **Long Battery Life:** Provides extended usage time
- **Future-Proof:** Easily updatable to meet the latest standards



TECHNICAL SPECIFICATIONS

Defibrillator		
Type	Semi-automatic external defibrillator	
Models	DDU-100A, DDU-100E	
Waveform	Biphasic Truncated Exponential (Impedance compensated)	
Energy	150-Joules (nominal into 50 ohm load)	
Charge Time	Less than 6 seconds (DBP-2800 battery pack) Less than 9 seconds (DBP-1400 battery pack)	
Shock-to-Shock Cycle Time	Less than 20 seconds (typical, includes analysis and charging time)	
Voice Prompts	Extensive voice prompts guide user through operation of the unit	
Controls	Lighted On/Off button Lighted Shock button	
Indicators	“check pads” “do not touch patient” “analyzing” AED status LED	
Sensitivity / Specificity	Meets AAMI-DF-39 specifications and AHA recommendations	
Physical		
Size	8.5 x 11.8 x 2.7 inches (22 x 30 x 7 cm)	
Weight	With DBP-1400: 4.2 lbs (1.9 kg) With DBP-2800: 4.4 lbs (2.0 kg)	
Battery Pack		
Model	DBP-2800	DBP-1400
Power	15V, 2800 mAh	15V, 1400 mAh
Capacity (new, at 25 degrees Celsius)	300 shocks or 16 hours continuous operation	125 shocks or 8 hours continuous operation
Standby-life (typical)	6.5-7 years	4.5-5 years
Type	Lithium/Manganese Dioxide Disposable, recyclable, non-rechargeable	
Low battery indicators	Visible Audible	
Defibrillation / Monitoring Pads		
Model	Adult – DDP-100 Child/Infant – DDP-200P	
Type	Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector	
Surface Area	103 cm² (nominal, each pad) 50 cm² (nominal, each pad)	
Pad Placement	Adult – Anterior/ Anterior Child/Infant – Anterior/Posterior	
Cable Length	48 in (122 cm)	
Relative / Humidity	Operating / Standby: 5% -95% (non-condensing)	
Altitude	500 to 15,000 ft (-150 to 4500 m) per MIL-STD-810F 500.4 Procedure II	
Vibration	- Ground (MIL-STD-810F 514.5 Category 20) - Helicopter (RTCA/DO-160D, Section 8.8.2, Cat R, Zone 2, Curve G) - Jet Aircraft (RTCA/DO-160D, Section 8, Cat H, Zone 2, Curves B & R)	
Shock/Drop Abuse Tolerance	MIL-STD-810F 516.5 Procedure IV (1 meter, any edge, corner, or surface, in standby mode)	
Sealing / Water Resistance	IEC60529 class IP54; Splash Proof, Dust Protected (Battery Pack installed)	
Patient Analysis System		
Patient Analysis	Automatically evaluates patient impedance for proper pad contact. Monitors signal quality and analyzes patient ECG for shockable/non-shockable rhythms	

TECHNICAL SPECIFICATIONS

Event Documentation	
Internal Event Record	Critical ECG segments and rescue event parameters are recorded and can be downloaded to a removable data card
PC-Based Event Review	ECG with event tag display, and audio playback when available
Removable Storage	(optional) Up to 12 hours of ECG and event data storage (no audio option) or up to 1:40 of audio, ECG and event storage (audio option) on a removable data card. Actual length of storage is dependent on card capacity
ESD	EN61000-4-2: 1998, (open air up to 8kV or direct contact up to 6kV)
EMC (Emission)	EN60601-1-2 limits (1993), method EN55011: 1998 Group 1 Level B
EMC (Immunity)	EN60601-1-2 limits (1993), method EN61000-4-3:1998 Level 3 (10V/m)
Environmental	
Temperature	Operating: 0 to 50°C (32 to 122°F) Standby: -25 to 50°C (-13 to 122°F)
Self Tests	
Automatic	Automatic daily, weekly and monthly circuitry tests
Battery Insertion	System integrity test on battery insertion
Pad Presence	Pads preconnected tested daily
User-Initiated	Unit and battery pack system test initiated by the user
Status Indication	Visual and audible indication of unit status

