

Defibtech Lifeline ECG Semi-Automatic Defibrillator with ECG Mode

TECHNICAL SPECIFICATIONS†

OPERATING MODES

AED MODE

High resolution video display (animated instructions and CPR coaching).

ECG MONITOR MODE

Displays ECG data and event information (with 3-lead electrodes).

DEFIBRILLATOR

TYPE

Semi-automatic external defibrillator

DISPLAY

High-resolution color LCD

MODEL

DDU-2450

VIDEO PROMPTS

Full motion video
On-screen text prompts

WAVEFORM

Impedance Compensated Biphasic
Truncated Exponential

CPR COACHING

Video and voice coaching
On-demand video help

ENERGY*

Adult: 150 Joules
Child / Infant: 50 Joules
(Nominal into 50 ohm load)

VOICE PROMPTS

Extensive voice prompts guide user through operation of the unit

CHARGE TIME

4 seconds or less
(from shock advised)*

RESCUE PROTOCOL

AHA/ERC (default);
supports protocol updates by the user (password protected)

CONTROLS

Lighted On/Off button
Lighted Shock button

*Typical, with new battery, at 25°C

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.

SENSITIVITY/SPECIFICITY

Meets or exceeds IEC 60601-2-4 requirements; meets AAMI DF80 requirements and AHA recommendations

EVENT DOCUMENTATION

INTERNAL EVENT RECORD

Critical ECG segments and rescue event parameters are recorded (greater than 60 minutes) and can be downloaded to a removable data card

REMOVABLE STORAGE

(optional) Up to 30 hours of ECG and event data storage (no audio option) or up to 3 hours of audio (audio option). ECG and event storage on a removable data card. Actual length of storage is dependent on card capacity.

PC-BASED EVENT REVIEW

ECG with event tag display, and audio playback when available

USB PORT

Event download and maintenance operations

SELF TESTS

AUTOMATIC

Automatic daily, weekly, monthly and quarterly circuitry tests

USER-INITIATED

Unit and battery pack system test initiated by the user

BATTERY INSERTION

System integrity test on battery insertion

STATUS INDICATION

Visual and audible indication of unit status

PAD PRESENCE

Pads preconnected tested daily

STATUS SCREEN

Unit self-test results
Pads and battery information (status and expiration)

DEFIBRILLATION / MONITORING PADS

MODEL

Adult: DDP-2001
Child / Infant: DDP-2002

TYPE

Pre-connected, single-use, non-polarized, disposable, self-adhesive electrodes with cable and connector

SURFACE AREA**

Adult: 12 inches² (77 cm²)
Child / Infant: 7.75 inches² (50 cm²)

**Nominal, each pad

BATTERY PACKS

NON-RECHARGEABLE

MODEL

DBP-2003, DBP-2013 (aviation)

POWER

12V, 2800 mAh

TYPE

Lithium/Manganese Dioxide
Disposable, recyclable
Non-rechargeable

CAPACITY*

125 shocks or 8 hours
continuous operation

STANDBY LIFE*

4 years

LOW BATTERY INDICATORS

Visible & Audible

RECHARGEABLE

MODEL

DBP-2009

POWER

11.1 VDC, 2.0 Ah, 22.2 Wh

TYPE

Lithium Ion (Li-ON)
Recyclable, Rechargeable

CAPACITY*

12 hours of operation in ECG monitoring mode or min. 250 shocks

STANDBY LIFE*

3 months

LOW BATTERY INDICATORS

Visible & Audible

CHARGING TIME*

Less than 3 hours

USEFUL LIFE

Replacement recommended every 3 years (~300 charge/discharge cycles)

*Typical, with new battery, at 25°C

ENVIRONMENTAL

TEMPERATURE

Operating: 0 to 50°C (32 to 122°F)

One Hour Operating Temperature

Limit (extreme cold):

-20°C (-4°F)***

Standby: 0 to 50°C (32 to 122°F)

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
48 inches (1.2 meters), any edge,
corner, or surface, in standby mode

SEALING / WATER RESISTANCE

IEC 60529 class IP55;
Dust Protected, Protected against
water jets (Battery pack installed)

ESD

IEC 61000-4-2: (Open air up to
15kV or direct contact up to 8kV)

EMC (Emission)

CISPR 11 Group 1 Level B
and FCC Part 15

EMC (Immunity)

IEC 61000-4-3 and IEC 61000-4-8

***From room temperature to temperature extreme, one hour duration, updated specification for DDU-2000 Series AEDs running software revision 2.4 or above

PHYSICAL

SIZE

7.3 x 9.5 x 2.3 inches
(18.5 x 24 x 5.8 cm)

WEIGHT (with battery)

Less than 3 lbs (1.4 kg)



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†Specifications subject to change without notice



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