Defibtech Lifeline AED Semi-Automatic Defibrillator

TECHNICAL SPECIFICATIONS†

**DEFIBRILLATOR**

**TYPE**
Semi-automatic external defibrillator

**MODEL**
DDU-100A, DDU-100E

**WAVEFORM**
Biphasic Truncated Exponential (Impedance compensated)

**ENERGY**
- Adult: 150 Joules
- Child / Infant: 50 Joules
(Nominal into 50 Ohm load)

**CHARGE TIME**
4 seconds or less
(from shock advised)

**VOICE PROMPTS**
Extensive voice prompts guide user through operation of the unit

**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

**BATTERY PACK**

<table>
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<tr>
<th>MODEL</th>
<th>POWER</th>
<th>CAPACITY</th>
<th>STANDBY LIFE</th>
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<tbody>
<tr>
<td>DBP-2800</td>
<td>15VDC, 2800 mAh</td>
<td>300 shocks or 16 hours continuous operation*</td>
<td>7 years (installed in AED with 9V ASI battery)*</td>
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<tr>
<td>DBP-1400</td>
<td>15VDC, 1400 mAh</td>
<td>125 shocks or 8 hours continuous operation*</td>
<td>5 years (installed in AED with 9V ASI battery)*</td>
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</table>

**TYPE**
Lithium/Manganese Dioxide
Disposable, recyclable, non-rechargeable

**LOW BATTERY INDICATORS**
Visible
Audible

**SELF TESTS**

**AUTOMATIC**
Automatic daily, weekly, monthly and quarterly circuitry tests

**BATTERY INSERTION**
System integrity test on battery insertion

**PAD PRESENCE**
Pads preconnected tested daily

**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**
- Adult: 16 inches² (103 cm²)
- Child / Infant: 7.75 inches² (50 cm²)

**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 hour and 40 minutes of audio (audio option).
ECG and event storage on a removable data card. Actual length of storage is dependent on card capacity.

**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 ll

**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**
IEC 60529 class IP54; Dust Protected, Splash Proof (battery pack installed)

**ESD**
EN 61000-4-2 (15kV or direct contact up to 8kV)

**EMC (Emission)**
EN 55011 Class B Group 1 and FCC Part 15

**EMC (Immunity)**
EN 61000-4-3 (20V/m)

**PHYSICAL**

**SIZE**
8.5 x 11.8 x 2.7 inches
(22 x 30 x 7 cm)

**WEIGHT**
- (Approximate) With DBP-1400: 4.2 lbs (1.9 kg)
- With DBP-2800: 4.4 lbs (2.0 kg)

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**