

# Specifications

## Defibrillator

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**Waveform:** Biphasic Truncated Exponential with voltage and duration compensation for patient impedance.

**Patient Impedance Range:** 10 – 300 ohms

**Energy Accuracy:**

10% of the energy setting into 50 ohms

15% of the rated energy output into 25 – 175 ohms

**Output Energy Sequence:** Multiple levels, configurable from 150 joules to 360 joules.

**Energy Default:** 200J, 300J, 360J (adult)  
50J, 75J, 90J (paediatric)

**Shock Advisory System™:** An ECG analysis system that advises whether a shock is appropriate; meets rhythm recognition criteria specified in IEC 60601-2-4.

**cprINSIGHT™ Analysis Technology:** Enables the defibrillator to analyse the patient's heart rhythm while CPR is being performed.

**CPR Coaching:** Instructions for adult and paediatric CPR, including feedback when no CPR is detected, rate and depth guidance, a metronome and instructions on hand placement.

**Time to Shock at 360J after CPR (with cprINSIGHT enabled):**

- **Semi-Automatic:** < 7 seconds

- **Fully Automatic:** < 13 seconds

**Charge Time:** 0 seconds for first 150J or 200J shock (as device is pre-charged). With cprINSIGHT enabled, subsequent shocks will be charged during CPR and ready to shock at the end of the CPR period.

## Controls

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**Lid Release/ON-OFF:** Controls device power.

**Shock button, Semi-automatic:** Delivers energy when button pressed by the user.

**Shock button, Fully Automatic:** Flashes prior to delivering shock without requiring user intervention.

**Child Mode Button:** Allows operator to switch to Child Mode for reduced energy and CPR guidance appropriate for children.

**Language Button:** Allows operator to switch between the Primary and Secondary languages for an optional multi-language configuration.

**Electrical Protection:** Input protected against high voltage defibrillator pulses per IEC 60601-1/EN 60601-1.

**Safety Classification:** Internally powered equipment.  
IEC 60601-1/EN 60601-1.

## User Interface

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**User Interface:** The user interface includes voice prompts and audible tones.

**ClearVoice™ Technology:** Volume adjusts automatically based on the noise level of the surrounding environment.

**Device Status Indicators:** Visual and audible indicators indicating system readiness (device, pads and battery).

## Environmental

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**Note:** All performance specifications defined assume the unit has been stored (two hours minimum) at operating temperature prior to operation.

**Operating Temperature:** 0° to +50°C (+32° to +122°F).

**Storage Temperature:** -30° to +60°C (-22° to +140°F) with battery and electrodes, maximum exposure time limited to one week.

**Long Term Storage:** Always store the defibrillator within the recommended temperature range of 15° to 35°C (59° to 95°F).

**Altitude:** -382 to 4,572 m (-1,253 to 15,000 ft).

**Relative Humidity:** 5 to 95% (non-condensing).

**Water Resistance:** IEC 60529/EN 60529 IPX5 with electrodes connected and battery installed.

**Dust Resistance:** IEC 60529/EN 60529 IP5X with electrodes connected and battery installed.

**Shock:** MIL-STD-810F, Method 516.4, Procedure 1, (40g, 6-9 ms pulse, 1/2 sine each axis).

**Vibration:** MIL-STD-810F, Method 514.4, Helicopter – category 6 (3.75 Grms) and Ground Mobile – category 8 (2.85 Grms).

## Physical Characteristics

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**With handle, including electrodes and battery:**

**Height:** 9.7 cm (3.8 in)

**Width:** 22.6 cm (8.9 in)

**Depth:** 27.4 cm (10.8 in)

**Weight:** 2.0 kg (4.5 lb)