



## PowerBeat X1 AED *Semi-Automatic*

### The real “mobile” device

Slimline and lightweight means that the PowerBeat X1 AED can fit into most bags and be transported to various locations.

### Accurate diagnosis, clear display

Clear visual images, enhanced further using LED lighting and loud verbal commands, to guide the user and provide the patient with the best chance of survival.

### Complete reliability

Daily self testing, drop tested to 1.5 metres, IP55 protected without the need for a carry case and a failsafe button ensuring the AED is always ready to save lives.

Product model	PowerBeat X1
Size (H x W x D) cms	23.2 x 20.9 x 5.9
Colour display	No
On click language switch	No
Protection grade	IP55
Daily self check	Yes
Battery life	4 years

### Product highlights

- Slimline and lightweight - H 23.2 x W 20.9 x D 5.9 cms, 1.5KG
- Simple audio and visual instruction for the user.  
One of the easiest to use on the market
- Time to shock 7 seconds
- Battery life of 4 years and capable of up to 200 shocks
- Smart Pads life of 4 years which allow for biphasic shock
- CPR features with metronome
- Algorithm capable of detecting implants such as pacemaker and internal defibrillator
- Automated ECG recording of up to 8 hours
- Daily self testing ensures device is ready for use
- IP55 protects against dust and wet environments
- Drop tested to 1.5 metres
- Shock button has built in failsafe button to alleviate risk of failure
- Able to identify a pulse and make the decision not to shock

## Defibrillator

**Waveform:** Biphasic Truncated Exponential (BTE) Waveform

**Impedance Range:** 20 - 180Ω

**Energy Level:**

Adults, energy released at 50Ω impedance: 150J

**CPR Coaching:** CPR instructions are available, with metronome and hand placement instructions.

**CPR Protocol:** Comply with CRC/AHA 2020 guideline.

**Charge/Discharge Time:** The time from the prompt of "Shock Advised" to when the shock can be performed: 7 seconds

## Arrhythmia Analysis

**Accuracy:** Comply with IEC60601-2-4

**Analysis Time:** Typically 8 seconds

## Controls

**Shock Control:** Semi-automatic (press the shock button to deliver energy)

**Language Button (PowerBeat X3):** Users can switch between primary and secondary language among various available language options.

**Certification:** ISO13485, CE certification

**Safety Standard:**

IEC 60601-1:2005+A1:2012

IEC 60601-2-4:2010+AMD1:2018

IEC 60601-1-2:2014

IEC 60601-1-12:2014

## User Interface

**Display:** PowerBeat X1 has 114 mm (W)x87 mm (A) graphic panel, while PowerBeat X3 has 5 inches color LCD screen, 105 mm (W)x65 mm (BF),

**Resolution:** 800x480 pixels

**User Guidance:** PowerBeat X1 has LED lights, graphic panel and voice prompt, while Powerbeat X3 has a color LCD screen, animation, voice and bilingual text prompts.

**Volume Adjustment:** Volume is adjustable through APP.

**Device Status Indicator:** Visual and audible indicators help to monitor the status of the main device, electrodes, and battery. Flashing green light indicates the device is normal. Flashing red light indicates the device is faulty.

## Environmental Parameters

**Operating/Storage Temperature:** -10°C ~ +50°C

**One Hour Operating Temperature**

**Limit (extreme cold):** -20°C

**Short-term Storage/Transport Temperature:**

-40°C~+70°C, within one week, with battery and pads uninstalled.

**Atmospheric Pressure:** 59.4KPa~106KPa

**Relative Humidity:** 5%~95% (no condensation)

**Ingress Protection:** IP55

## Physical Characteristics (including handle)

**Height:** 232mm

**Width:** 209mm

**Depth:** 59mm

**Weight:** 1.5kg (including battery and pads)

**Tolerable Impact/Fall Damage:** Can withstand free fall damage from a height of 1.5M onto hard surfaces.

## Accessories (Battery)

**Type:** Lithium manganese dioxide (Li/MnO<sub>2</sub>) battery (non-rechargeable), 12V/3000mAh

**Capacity:** At 20°C±2°C, the new battery can discharge 200±10 times at 150J.

**Operation Life (standby):** 4 years (typical)

**Low Battery Status:** A battery that indicates low battery can still be used ≥10 times at 150J.

## Accessories (Pads)

**Pads:** Suitable for adults.

**Operation Life (standby):** 4 years (typical)

**Cable Length:** 1.1m

**Storage Space:** Pads can be stored in the space at the back of the device.

## Data Storage

**Memory Type:** Internal digital memory

**ECG/Event Storage:** At least 8 hours of ECG and event/incident recording.

**Self-test Data Storage:** Up to 10 years

## Communications

**Communications:** USB interface

## Overall Device

**Date of Production:** See label at the bottom of main device.

**Warranty:** 8 years.