



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
Protection grade	IP55
Daily self check	Yes
Child button	Yes
Pads life	4 years
Battery life	5 years

Product highlights

- Slimline and lightweight - H 23.2cm x W 20.9cm x D 5.9cm 1.5kg
- Simple audio and visual instruction for the user. One of the easiest to use on the market
- Time to shock typically less than 7 seconds
- Battery life of 5 years and capable of up to 200 shocks
- Smart Pads (for both adult and child) 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
- Pacemaker pulse detection

Defibrillator

Waveform: Biphasic Truncated Exponential (BTE) Waveform

Impedance Range: 20 - 180Ω

Energy Level:

Adults, energy released at 50Ω impedance: 150J

Child, energy released at 50Ω impedance: 50J

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

CPR Protocol: Comply with ERC/AHA 2020 guideline.

Charge/Discharge Time: The time from the prompt of "Shock Advised" to when the shock can be performed: Typically less than 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)

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: 114 mm (W)x87 mm (A) graphic panel

User Guidance: LED lights, graphic panel and voice prompt

Child Button: Easily switch to Child Mode

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 requires maintenance.

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/MnO₂) battery (non-rechargeable), 12V/3000mAh

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

Operation Life (standby): 5 years (typical)

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

Accessories (Pads)

Pads: Suitable for both adult and child

Operation Life (standby): 4 years

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

USB interface/Bluetooth

Overall Device

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

Warranty: 5 years