



PowerBeat M3 AED *Semi-Automatic*

Compact and lightweight

Compared to traditional AEDs, the PowerBeat M series shrink both in weight, boasting a 2/3 reduction, and in volume, with a 3/4 reduction, all while delivering the same therapeutic efficacy.

Weighing less than 0.7kg, the compact AEDs are ideally suited for deployment by specially trained personnel and can be conveniently stored in home first-aid kits, ensuring accessibility during critical situations.

Rugged durability and reliability in demanding conditions

The device boasts an impressive IP65 rating for dust and water resistance, making it suitable for operation even in the harshest environments. Its reinforced design enables it to excel in various extreme conditions, displaying remarkable tolerance to a range of environmental challenges. Furthermore, it has undergone a rigorous 1.5 meters drop test, ensuring its capability to withstand emergency situations in harsh environments with ease.

Product model	PowerBeat M3
Size(H x W x L)cms	5.3 x 8.6 x 15
Weight(including batteries, pads)	Less than 0.7kg
Child Mode	yes
Continuously VF/VT Detection Mode	N/A
Dust & Water Resistance Level	IP65
Drop Impact Resistance	1.5m

Product highlights

- Patented Tiny Combine™ technology:
 - ① Portable and lightweight - 5.3(H)8.6(W)*15cm(L) <0.7kg
 - ② IP65 protects against dust and wet environments
 - ③ Drop tested to 1.5 meters
- One-touch power on, and one-touch defibrillation functions
- Smart Voice Guidance
- Optional rechargeable battery
- Smart pads (for both adult and child) life of 4 years which allow for biphasic shock
- CPR features with metronome
- Time to shock less than 8 seconds
- Algorithm capable of detecting implants such as pacemaker and internal defibrillator
- Pacemaker pulse detection
- 24 hours of ECG data
- Daily self-testing ensures device is ready for use
- Support mobile communication 4G and GPS positioning
- Pull-Strap opening from pads back cover, accesses in 1 second



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Specifications

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 (Disposable Battery):

The time from the prompt of "Shock Advised" to when the shock can be performed: Typically less than 8 seconds

Charge/Discharge Time (Rechargeable Battery):

The time from the prompt of "Shock Advised" to when the shock can be performed: Typically less than 8 seconds

Arrhythmia Analysis

Accuracy: Comply with IEC60601-2-4 requirements

Analysis Time: Typically 8 seconds

Controls

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

Certification: ISO13485, NMPA

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

User Guidance: Voice and light guidance

Child Button: Easily switch to Child Mode

Device Status Indicator: Visual 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: -15°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: IP65

Altitude: 4500M

Physical Characteristics

Height: 5.3cm

Width: 8.6cm

Depth: 15cm

Weight: 0.7kg(including battery and pads)

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

Accessories (Disposable Battery)

Type: Lithium manganese dioxide (LiMnO2 Battery), 12V/1500mAh (Standard)

Capacity: At 20°C±2°C, the new battery can discharge 130 times at 150J.

Operation Life (standby): 3 years (typical)

Low Battery Status: A battery that indicates low battery can still be used 30 times at 150J.

Accessories (Rechargeable Battery)

Type: Lithium Ion (Li-ion Battery), 7V/3450mAh (Optional)

Capacity: At 20°C±2°C, the new battery can discharge 250 times at 150J.

Operation Life (standby): 3 months before recharge

Recharge Times: 3 hours and 40 minutes or less

Low Battery Status: A battery that indicates low battery can still be used 30 times at 150J.

Accessories (Pads)

Pads: Suitable for both adult and child

Operation Life (standby): 4 years

Cable Length: ≥1.0m

Storage Space: Pads can be stored in the pads storage box at the back of the device.

Communications

Bluetooth/GPS positioning

Overall Device

Date of Production: See label on the back of the device

Service Life: 10 years



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