VIVEST

PowerBeat Series AED

No matter where sudden cardiac arrest (SCA) occurs, whether it is at the office, at school, on vacation, or any other time or place, ViVest's PowerBeat series AED is ready to save lives. Using the latest innovative technology, we have developed a safe, fast, efficient defibrillator that can be entrusted to rescue more lives. With this AED, even lay persons on the scene can carry out the exceptional task of saving lives during critical moments.

VIVEST
PowerBeat X3
02:24
Info
CPR

Lightweight, Compact and Durable

A More Portable AED for Rushing to the Rescue

The device with an IP55 rating can function effectively even under harsh weather conditions.

Optimal operating temperature is 0°C ~ +50°C. After leaving room temperature to environments under -20 °C , the AED can remain in operation for at least 60 minutes, depending on different climate and terrain conditions.

The entirety of device's surface can withstand damage from a free fall height of 1.5 meters, allowing it to easily handle falls and accidents.

The device weighs only 1.5 kg. It is lightweight and compact enough for a child to carry, allowing it to partake in rescue efforts with ease.

Latest Technology to the Safest Rescue

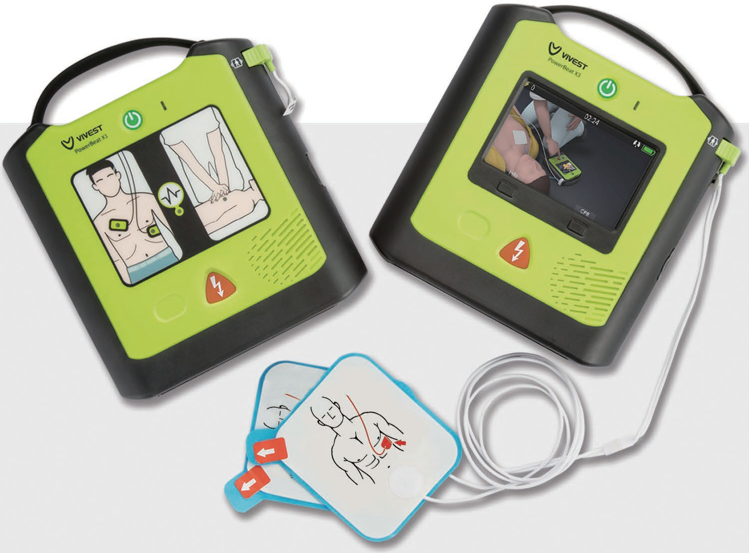
Stable and Effective Defibrillator to Make Patients and Users Feel at Ease

The device typically takes less than 7 seconds from the prompt "Shock Advised" till discharge available, and provides fast and stable ECG analysis.

The device uses Biphasic Truncated Exponential (BTE) waveform, which can detect patient impedance in real-time to deliver customized shock energy to each patient, starting from the first shock, to ensure the effective transmyocardial current at lower energy doses (150J), to reduce potential myocardial damage.

Easy to Use, Simple and Intuitive

Step-by-Step Guidance to Make Anyone a Rescuer



High quality electrodes are suitable for all modes for greater efficiency during use in emergency situations.

A single push of a button switches on the device and the pre-connected electrode pads simplify operation and save precious time. Text and voice prompts guide the rescuer throughout the rescue process, including shock delivery and CPR guidance.

VIVEST
PowerBeat X3
跟着节拍进行按压

Specifications

Defibrillator

Waveform： Biphasic Truncated Exponential (BTE) Waveform

Impedance Range： 20 - 180Ω

Energy Level：

Adults, energy released at 50Ω impedance: 150J
The energy levels are fixed.

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

CPR Protocol： Comply with ERC/AHA 2020 guidelines.

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)×87 mm (H) graphic panel, while PowerBeat X3 has 5 inches color LCD screen, 105 mm (W)×65 mm (H), resolution: 800×480 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 that the unit requires maintenance.

Environmental Parameters

Operating/Standby Temperature：
0℃ ～ +50℃

One Hour Operating Temperature Limit (extreme cold)： -20℃

Short-term Storage/Transport Temperature： -40℃～+70℃, 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 batteryand pads)

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

Accessories(Battery)

Type： Lithium manganese dioxide (Li/MnO2) battery (non-rechargeable), 12V/3000mAh

Capacity： At 20℃±2℃, 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 patients

Shelf Life/Operation Life (standby): 4 years from manufacturing date

Cable Length： 1.1±0.1m

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, Bluetooth (standard); 4G module (optional)

Overall Device

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

Service Life： 10 years

Distributor Information:
Company:

Address:

Tel.:
Email:

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VIVEST

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