



The Mindray BeneHeart C1A Semi-Automatic AED (VM-C1ASA) is a rugged, fully-guided automated external defibrillator designed for use by both trained responders and first-time bystanders. The 1.96" LCD display works in conjunction with ResQNav[™] technology to deliver step-by-step animation coaching and adaptive voice prompts throughout the rescue sequence. QShock[™] technology enables the first shock to be delivered in under 8 seconds, with ECG analysis completed in just 5 seconds. The device delivers up to 360J of biphasic energy with automatic compensation for patient impedance. Child mode is available via a dedicated switch, adjusting energy delivery and CPR guidance to a 15:2 ratio. A language switch button allows rescuers to change voice prompt language at any time. Supplied with pre-connected AED Disposable Pads II. Dimensions: 210mm × 286mm × 78mm. Weight: 2.0kg (including battery). IP55 rated. Drop-tested to 1.5m on all sides. Operable to 4,575m altitude. ~5-year battery and pad lifespan. Daily self-tests with green LED status indicator. CE certified. 10-year warranty. Available in South Africa from Vital Medical.

Mindray BeneHeart C Series C1A Semi-Automatic Defibrillator

The Mindray BeneHeart C1A Semi-Automatic AED (VM-C1ASA) is an automated external defibrillator designed to support successful cardiac arrest response by both clinical professionals and untrained bystanders. Sudden cardiac arrest is a leading cause of preventable death in South Africa and globally — survival rates drop by 7–10% for every minute defibrillation is delayed, making rapid, effective AED deployment a critical outcome determinant. The BeneHeart C1A Semi-Automatic AED addresses the key barrier to bystander response — uncertainty about how to act — through ResQNav[™] technology, which delivers real-time animation coaching on the 1.96" LCD display alongside adaptive voice prompts. As a semi-automatic AED, the device analyses the patient's heart rhythm and charges automatically, but requires the rescuer to press the shock button to deliver the defibrillation shock — giving the operator control over the moment of delivery while removing the complexity of rhythm interpretation. The ResQNav[™] system monitors the time the rescuer spends at each step and adjusts its instructions accordingly: if hesitation is detected during pad placement or CPR, the voice guidance becomes more detailed and reassuring, matching the level of support to the rescuer's proficiency in real time. Volume auto-adjusts to the ambient noise level, ensuring instructions remain audible in noisy environments such as factories, sports venues, and public spaces.

QShock[™] Technology, 360J Biphasic Energy, and Clinical Versatility

The BeneHeart C1A Semi-Automatic AED uses QShock™ technology to shorten ECG analysis and device charging, enabling the first shock to be delivered in under 8 seconds from pad application — a significant improvement over conventional AEDs where analysis and charging alone can consume 15–20 seconds. ECG analysis is completed in 5 seconds. The device delivers up to 360J of biphasic energy with automatic patient impedance compensation: the BeneHeart C1A measures the patient's chest impedance immediately before shock delivery and adjusts the energy output accordingly, ensuring an optimal therapeutic dose is delivered regardless of the patient's body composition. Child mode is activated via a single-button switch on the device, which adjusts energy levels and reconfigures CPR guidance to a 15:2 ratio appropriate for paediatric patients — and the pre-connected AED Disposable Pads II are suitable for use in both adult and child mode without requiring a separate set of paediatric electrodes. A language switch button allows immediate selection of a different voice prompt language, supporting multilingual deployment environments. CPR guidance includes both audio coaching and a CPR metronome to support correct compression rate.

Environmental Durability, Self-Testing, and Deployment in South Africa

The BeneHeart C1A Semi-Automatic AED is built for reliable function in demanding environments. The device achieves an IP55 rating — providing protection against dust ingress and water jets from any direction — and has been drop-tested to 1.5m on all six sides, confirming structural integrity against the accidental drops common in pre-hospital, occupational health, and industrial deployment. It has been validated for operation at altitudes of up to 4,575m, supporting use in mountainous and aviation environments. The AED performs automatic daily self-tests and reports readiness via a green LED status indicator, eliminating the need for scheduled manual checks and ensuring the device is deployable at a moment's notice. Pre-connected AED Disposable Pads II reduce deployment time by eliminating a connection step. Battery and electrode pad lifespan is approximately 5 years, keeping lifecycle maintenance costs low. The unit is CE certified and carries a 10-year manufacturer's warranty. Available in South Africa from Vital Medical, the VM-C1ASA is suited to corporate offices, schools, sports facilities, EMS vehicles, frail care facilities, industrial sites, and any public or clinical environment requiring a reliable, intelligently-guided semi-automatic AED.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	Mindray
Model	BeneHeart C1A
SKU	VM-C1ASA
Type	Semi-Automatic AED (Automated External Defibrillator)
Display	1.96" LCD
Guidance Technology	ResQNavi™ — animation coaching + adaptive voice prompts
Shock Technology	QShock™
First Shock Delivery	Under 8 seconds
ECG Analysis Time	5 seconds
Energy Output	Up to 360J biphasic
Impedance Compensation	Automatic (adjusts to patient impedance)
Child Mode	Yes — energy adjusted; CPR guidance 15:2; pads suitable for children
CPR Feedback	Audio coaching + metronome
Voice Volume	Auto-adjusts to ambient noise level
Language Switch	Yes — button press
Pads	AED Disposable Pads II (pre-connected)
Battery Lifespan	~5 years
Pad Lifespan	~5 years
Self-Test	Automatic daily; green LED status indicator
Width	210mm
Depth	286mm
Height	78mm
Weight	2.0kg (including battery)
IP Rating	IP55
Drop Endurance	1.5m — all sides
Altitude Range	Up to 4,575m
Certification	CE
Warranty	7 years

SKU: VM-C1ASA