



The **Philips HeartStart FR2** is a battery-powered lightweight AED. The HeartStart FR2 has a simple design, with only two buttons, an on/off button at the top and a shock button at the bottom. The Display screen on the automated external defibrillator provides text prompts and information on the patient. The Philips Heartstart FR2 additionally offers the patient's ECG reading on the display screen. The Heartstart FR2 was designed specifically for first responders in an emergency for adult patients. The Philips electrode pads can detect heart rhythm to determine if a shock is needed. The Philips Heartstart FR2 and can deliver up to 150 joules of energy through a shock.

Features

- Non-rechargeable lithium battery.
- Adult and infant/child pads.
- Small and light design.
- LCD Screen.
- SMART biphasic waveform.
- SMART Analysis - Analyzes a patient's ECG and determines whether a shock should be delivered.



Specifications

Dimensions

Height: 2.6 in. (6.6 cm)
Width: 8.6 in. (21.8 cm)
Depth: 8.6 in. (21.8 cm)
Weight (With battery): 4.7 lbs (2.1 kg)

Battery

12 VDC 4.2 Ah, lithium manganese dioxide
Disposable, recyclable, long-life, primary cell
Capacity: 300 shocks or 12 hours of operating time
Shelf-Life: 5 Years

Display

High-resolution backlight LCD
Height: 2.3 in. (5.8 cm)
Width: 2.8 in. (7 cm)

Defibrillator

Waveform: Biphasic truncated exponential. Waveform parameters are automatically adjusted as a function of patient defibrillation impedance.
Energy: Using adult defibrillator pads: 150 J nominal ($\pm 15\%$) into a 50 ohm load. Using infant/child reduced-energy defibrillator pads: 50 J nominal ($\pm 15\%$) into a 50 ohm load.
Charge Control: Controlled by Patient Analysis System for automated operation.
Charge Time: Typically less than 10 seconds. Charge time increases at the end of battery life.

ECG Display

Monitored Lead: ECG information is received from adult defibrillator pads in anterior-anterior (Lead II) position or from FR2 infant/child reduced-energy defibrillator pads in anterior-posterior position.
Frequency Response (Bandwidth): Nondiagnostic rhythm monitor 1 Hz to 20 Hz (-3 dB), nominal.
Sensitivity: 1.16 cm/mV, nominal.
Heart Rate: 30 to 300 bpm, updated each analysis period.

Data Card

Capacity: 8 hours of event and ECG data, or 60 minutes with voice recording.

