

PHILIPS

HeartStart Home Defibrillator

More than 68% of all cardiac arrests happen in the home¹

Be prepared with the Philips HeartStart Home Defibrillator

Welcome to added peace of mind with the easy, safe and reliable home defibrillator from Philips. Our HeartStart Home Defibrillator is:

Easy to use

- Provides real-time guidance through step-by-step voice commands and CPR guidance.
- Use your home defibrillator with confidence – HeartStart is virtually ready-to-rescue right out of the box.
- Go at your own pace – integrated SMART Pads placed on the victim's bare skin sense and adapt the defibrillator's instructions to your actions every step of the way. If you may need to defibrillate an infant or a child under 25 kg (55 pounds) or 8 years old, it is recommended that you order the infant/child SMART Pads Cartridge, available separately.

Safe

- Trust the innovation of HeartStart Home, the first and only defibrillator available without a prescription.
- Use the defibrillator on patients of any age, including infants and children.²

- Personalized therapy – the HeartStart Home Defibrillator automatically determines if a shock is necessary and provides the right therapy for each individual person.

Reliable

- Deliver shock treatment after CPR, typically within 8 seconds, with our patented Quick Shock technology, among the fastest in its class.



HeartStart Home defibrillator specifications

Defibrillator family	
Defibrillator family	HS1, order M5068A, option C01
Standard configuration	Defibrillator, slim carry case, with pre-installed battery, adult SMART Pads cartridge (1 set), Quick Reference Guide, Setup Guide, Owner's Manual, 911 reminder sticker, training coupons, training DVD, enrollment card, Quick Start poster
Waveform	Truncated Exponential Biphasic; waveform parameters adjusted as a function of each patient's impedance
Therapy	Adult defibrillation: peak current 32 A (150J nominal into a 50-ohm load) pediatric defibrillation with optional Infant/Child SMART Pads cartridge installed: peak current 19 A (50 J nominal into 50-ohm load)
Shock-to-shock cycle time	Typically less than 20 seconds between shocks in a series
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in 8 seconds
Voice instructions	Detailed voice messages guide responder through use of the defibrillator
CPR guidance	Verbal instructions for adult and infant/child CPR provides instructions and audio cues for the appropriate number, rate, and depth of chest compressions, as well as for each breath
Shock delivery	Via adhesive pads placed on patient's bare skin as illustrated on pads
Controls	Green SMART Pads cartridge handle, green On/Off button, blue i-button, orange shock button
Indicators	Ready light; blue i-button; caution light, shock button lights up when shock is advised
Physical	
Size	2.85 in H x 7.40 in D x 8.30 in W (7.2cm H x 19cm D x 21cm W)
Weight	With battery and pads cartridge: 1.5 kg (3.3 lbs.) Without battery or pads cartridge: 1 kg (2.4 lbs.)
Environmental/physical requirements	
Sealing	Solid objects per EN60529 class IP2X drip-proof per EN60529 class IPX1
Temperature	Operating: 0° - 50° C (32° - 122° F) Standby: 10° - 43° C (50° - 109° F)
Humidity	Operating: 0% to 95% relative, non-condensing Standby: 10% to 75% relative, non-condensing
Altitude	Operating: 0 to 15,000 feet Standby: 0 to 8,500 feet > 48 hours and 8,500 to 15,000 feet < 48 hours
Shock/drop abuse	Withstands one-meter drop to any edge, corner or surface
Vibration	Operating: meets EN1789 random, road ambulance. Standby: meets EN1789 swept sine, road ambulance.
EMI (radiated/immunity)	Meets EN55011 Group 1 Level B Class B and EN61000-4-3
Data recording and transmission	
Infrared	Wireless transmission of event data to a smartphone or PC, using the IrDA protocol
Data stored	First 15 minutes of ECG and the entire incident's events and analysis decisions

Patient analysis system	
Patient analysis	Evaluates patient ECG to determine if a rhythm is shockable. Rhythms considered shockable are ventricular fibrillation (VF) and certain ventricular tachycardias (VT) associated with lack of circulation. For safety reasons, some VT rhythms associated with circulation will not be interpreted as shockable, and some very low-amplitude or low-frequency rhythms will not be interpreted as shockable VF.
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in 8 seconds
Sensitivity/specificity	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation (Circulation 1997;95:1677-1682)
Artifact detection	HS1 can detect artifact and advise to stop movements or will pause analysis briefly, but does not minimize the artifact
Battery (M5070A)	
Type	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells
Capacity	Minimum 200 shocks or 4 hours of operating time
Install-by date	Battery is labeled with an install-by date of at least 5 years from date of manufacture
Standby life	Four years typical when battery is installed by the install-by date (will power the AED in standby state within the specified standby temperature range, assuming 1 battery insertion test and no defibrillation uses)
Infant/Child SMART Pads (optional)	
Adult SMART Pads cartridge	M5071A defibrillation pads for patients 8 years of age and older or 25 kg (55 lbs.) and over
Infant/Child SMART Pads	M5072A defibrillation pads for patients under 8 years of age or 25 kg (55 lbs.); cartridge by prescription only
Active surface area	85 cm ² (13.2"²) each
Cable length	Adult SMART Pads: 137.1 cm (54") Infant/Child SMART Pads: 101.6 cm (40")
Use-by date	Cartridge is labeled with a use-by date of at least 2 years from date of manufacture
Training SMART Pads (optional)	
M5073A	Adult Training SMART Pads cartridge
M5074A	Infant/Child Training SMART Pads cartridge
Function	Training SMART Pads cartridges feature 8 real-world training scripts; used with training mat (included) or with adapters on manikins
Automated and user-activated self-tests	
Daily automatic self-tests	Tests internal circuitry, waveform delivery system, pads cartridge, and battery capacity
Pads integrity test	Specifically tests readiness-for-use of pads (gel moisture)
Batteryinsertion test	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness
StatusIndicators	Blinking green "Ready" light indicates ready for use; audible "chirp" indicates need for maintenance

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1. American Heart Association. (2018). AHA Releases Latest Statistics on Sudden Cardiac Arrest. Retrieved October 9, 2019 from <https://www.sca-aware.org/sca-news/aha-releases-latest-statistics-on-sudden-cardiac-arrest>.
2. The Infant/Child pads cartridge is sold separately, and available only under the order of a physician, by prescription only.