HeartStart OnSite Defibrillator specifications

Defibrillator		Patient analysis s	ystem
Defibrillator family	HS1. Order M5066A	Patient analysis	Evaluates patient ECG to determine if a rhythm
Standard configuration	Defibrillator, battery, adult SMART Pads cartridge (1 set), Setup and Maintenance Guides, Owners Manual, Quick Reference Guide, Date sticker	,	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
HeartStart OnSite Ready- Pack configuration	Order option R01. Defibrillator, battery, carry case, adult SMART Pads (1 pre-installed set, 1 spare set), Setup and Maintenance Guides, Owners Manual, Quick Reference Guide, Date Sticker		interpreted as shockable, and some very low-amplitude or low-frequency rhythms will not be interpreted as shockable VF
Waveform	Truncated Exponential Biphasic Waveform parameters adjusted as a function of each	Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in 8 seconds
Therapy	patient's impedance Adult defibrillation: Peak current 32A (150 J nominal into a 50-ohm load). Pediatric defibrillation with optional Infant/Child pads cartridge installed: Peak current 19A (50 J nominal into 50-ohm load)	Sensitivity/specificity	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation (Circulation 1997;95:1677-1682)
		Artifact detection	The effects of pacemaker artifact and electrical noise are minimized
		Battery (M5070A)	
Shock-to-Shock cycle time	Typically less than 20 seconds between shocks in a series	Туре	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in 8 seconds	Capacity	Minimum 200 shocks or 4 hours of operating time (EN 60601-2-4:2003)
Voice instructions	Detailed voice messages guide responder through use of the defibrillator	Install-by date	Battery is labelled with an install-by date of at least 5 years from date of manufacture
CPR coaching	Instructions for adult or infant/child CPR available at user's option	Standby life	Four years typical when battery is installed by the install-by date. (Will power the AED
Shock delivery	Via adhesive pads placed on patient's bare skin as illustrated on pads		in standby state within the specified standby temperature range, assuming I battery insertion
Controls	Green SMART Pads cartridge handle, green On/ Off button, blue i-button, orange Shock button	SMART Pads	test and no defibrillation uses)
Indicators	Ready light; blue i-button; caution light, Shock button lights up when shock is advised	Adult SMART Pads cartridge	M5071A defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over
Physical Size	2.8" × 7.4" × 8.3" (7 cm × 19 cm × 21 cm) D × H × W.	Infant/child SMART Pads cartridge	M5072A defibrillation pads for patients under 8 years of age or 55 lbs. (25 kg). By prescription only
Weight	With battery and pads cartridge: 3.3 lbs. (1.5 kg	Active surface area	13.2'' ² (85 cm ²) each
0	Without battery or pads cartridge: 2.4 lbs. (1 kg)	Cable length	Adult pads: 54" (137.1 cm)
Environmental/Physical Requirements			Infant/Child pads: 40" (101.6 cm)
Sealing	Solid objects per EN60529 class IP2X Drip-proof per EN60529 class IPX I	Use-by date	Cartridge is labelled with a use-by date of at least 2 years from date of manufacture
Temperature	Operating: 32° - 122° F (0°-50° C)	Training Pads	
Humidity	Standby: 50° - 109° F (10° - 43° C). Operating: 0% to 95% relative, non condensing	M5073A M5074A	Adult Training Pads cartridge
,	Standby: 0% to 75% relative, non-condensing	Function	Infant/Child Training Pads cartridge Training pads feature 8 real-world training
Altitude	Operating: 0 to 15,000 feet Standby: 0 to 8,500 feet > 48 hours and 8,500 to 15,000 feet < 48 hours		scripts, Used with training mat (included) or with adapters on manikins
Shock/drop abuse	Withstands I-meter drop to any edge, corner or surface	Daily automatic	User-activated Self-tests Tests internal circuitry, waveform delivery
Vibration	Meets EN1789 random and swept sine, road ambulance specification in operating and standby states	self-tests Pads integrity test	system, pads cartridge, and battery capacity Specifically tests readiness-for-use of pads (gel moisture)
EMI (radiated/immunity)	Meets EN55011 Group 1 Level B Class B and EN61000-4-3	Battery insertion test	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness
Data Recording	and Transmission	Status Indicators	Blinking green 'Ready' light indicates ready for
Infrared	Wireless transmission of event data to a Smartphone or PC, using the IrDA protocol		use. Audible 'chirp' indicates need for maintenance
Data stored	First 15 minutes of ECG and the entire incident's events and analysis decisions	* Refer to the HeartStart OnSite Defibrillator Owner's Manual for detailed product instructions, All specifications based on 25°C unless otherwise noted, The defibrillator and its accessories are made of latex-free materials	