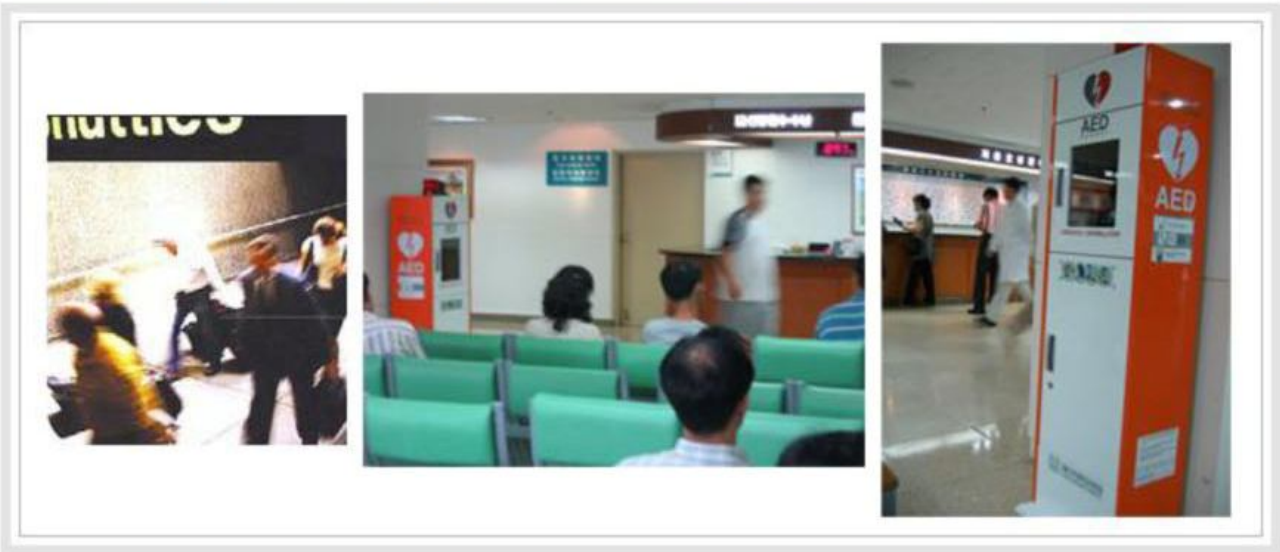


# i-PAD NF1200



## Product Overview

The **i-PAD NF1200** is a semi-automated external defibrillator (also known as an AED). The i-PAD NF1200 is designed for minimally trained individuals. It provides simple and direct voice prompts and instructions for straightforward rescue operation. It is lightweight and battery powered for maximum portability.

The i-PAD NF1200 is intended to treat Ventricular Fibrillation (VF) and Fast Ventricular Tachycardia. These two conditions are the most common causes of sudden cardiac arrest (SCA). In SCA, the heart of the victim suddenly stops pumping. This condition may occur suddenly to any age group without warning. The only effective treatment for SCA is the application of a defibrillating shock.

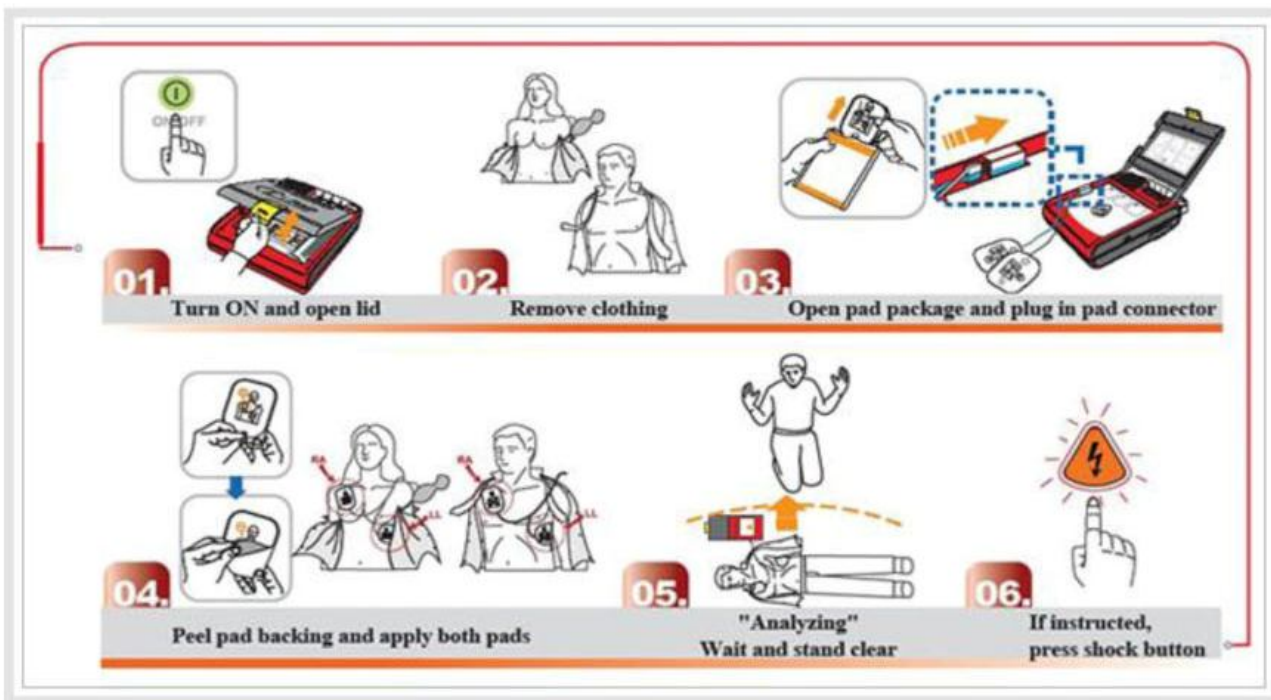
### + Indications for Use

Use the i-PAD to treat a person that you think is suffering from sudden cardiac arrest (SCA). The following are symptoms of SCA :

- No movement and no response when shaken
- No normal breathing
- No pulse



## + How to use i-PAD NF1200



### Key Features

-  **Simple operation**
  - 2 buttons operation
-  **Reliable**
  - Daily, weekly and monthly self - test
  - Ready for use anytime
-  **Biphasic waveform**
  - Protecting the patient
  - Effective resuscitation
-  **CPR Coaching**
  - Loud and clear voice instruction
-  **5 Years Warranty**

- LED Status indicators
- Patented e-cube Biphasic Truncated Exponential Shock Waveform
- Automatic Self-testing
- Especially designed for public usage.
- Economic Standard Package
- CPR coaching.

## Product Specifications

### +Physical

Size	2.75 in high X 8.66 in wide X 10.23 in deep (70mm high X 220 mm wide X 260 mm deep)
Weight	Approximately 4.84 lbs (2.2 kg) with battery pack installed

### +Environmental

Operating Conditions	Temperature	32 °F to 110 °F (0 °C to 43 °C)
	Humidity	5 % to 95 % (non-condensing)
Storage Conditions	Temperature	32 °F to 110 °F (0 °C to 43 °C)
	Humidity	5 % to 95 % (non-condensing)
Shock/Drop/Abuse Tolerance	Meets IEC 60601-1 clause 21 (Mechanical Strength)	
Vibration	Meets EN1789 random and swept sine, road ambulance specification in operating and standby states.	
Sealing	IEC 60529: IP54	
ESD	Meets IEC 61000-4-2:2001	
EMI (Radiated)	Meets IEC 60601-1-2 limits, method EN 55011:1998+ A1:1999 +A2:2002, Group 1, Class B	
EMI (Immunity)	Meets IEC 60601-1-2 limits, method EN 61000-4-3: 2001 Level 3 (10V/m 80MHz to 2500MHz)	

### +Defibrillator

Operating Mode	Semi-automated
Waveform	e-cube biphasic (Truncated exponential type); impedance compensated
Energy	200 Joules nominal into a 50Ω load
Shock Energy Accuracy	Within ±3% (150J into 50Ω)
Charge Control	Automatic by Software (Arrhythmia Detection System and Charging Control)
Charge time from "Shock Advised"	< 14 seconds, typical
Shock to Shock cycle time	< 15 seconds, typical, including analysis
Charge complete indicator	* Text prompt (PRESS THE FLASHING ORANGE BUTTON, NOW) * flashing backlight of SHOCK button * beep from the beeper
Disarm	Once charged, the NF1200 disarms if: * Patient's heart rhythm changes to non-shockable rhythm, or



	<ul style="list-style-type: none"> <li>* The SHOCK button is not pressed within 15 seconds after the <b>NF1200</b> is armed, or</li> <li>* The ON/OFF button is pressed to turn OFF the <b>NF1200</b>, or</li> <li>* The defibrillator pads are removed from the patient or the pads connector is disconnected from the <b>NF1200</b></li> </ul>
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### + Defibrillator, continued

Shock Delivery	Shock is delivered if the SHOCK button is pressed while the <b>NF1200</b> is armed.
Shock Delivery Vector	Via adult defibrillator pads in the anterior-anterior (Lead II) position or via Reduced-energy pediatric pads in the anterior-posterior position.
Patient Isolation	Type BF

### + ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz EMS Mode 0.3 Hz to 40 Hz Monitoring Mode

### + ECG Analysis System

Function	Determines the impedance of the patient and evaluates the ECG of the patient to determine whether it is shockable or non shockable
Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Non Shockable Rhythms	ECG rhythms other than Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity & Specificity:	Meets AAMI DF39 guidelines

### + Controls, Indicators, and Prompts

Controls	Power On/Off Button, i-Button, Shock Button
Indicators	State LED, Graphical Rescue Guide LED
Audio Speaker	Provides voice prompts
Beeper	Provides various audible indications
Low Battery Detection	Automatic during daily testing and Power ON and runtime testing
Low Battery Indicator	State LED and Voice Prompt
Prompts	Voice prompts guide the user throughout a rescue operation

### + Self-Tests

Automatic	* Power On Self-Test / Run Time Self-Test
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	* daily / weekly/ monthly
User Initiated	Battery Insertion Test
<b>+ Battery Pack</b>	
Battery Type	12 Volt DC, 4.2 Ah, lithium manganese dioxide, disposable long-life primary cell.
Capacity	Minimum 200 shocks or 4 hours of operating time.
Temperature Range	-40 °F to 140 °F (-40 °C to 60 °C)
<b>+ Defibrillator Pads (CUA0512F)</b>	
Type	self-adhesive, disposable, non-polarized defibrillation pads
Adult Pads	Defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over.
Surface Area	Adult : 110cm <sup>2</sup> each
Cable Length	1.5m
<b>+ Data Recording and Transmission</b>	
Infrared	Wireless transmission of event data to PC through IrDA port.
Data Stored	First 40 minutes of ECG and the entire incident's events and analysis decisions.

#### Prices and Accessories

#### + Standard Package

- Device
- Disposable Defi pads
- Li-ion disposable battery
- User guide
- Quick reference card
- Carrying case

Price for Standard Package



#### + Optional Accessories

- Adaptor for battery charging
- Rechargeable Battery Pack
- Wall Cabinet (Small) with Alarm (Included AED Sign)
- Defi Pads (CU)



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