



Defibrillator Newlife





Provide a full range of functions to meet various life support needs

With Defibrillation, Pacing, Monitoring and AED mode, Newlife is not only suitable for pre-hospital first aid, but applicable in in-hospital usage.

Defibrillator

Newlife

Features

Defibrillation: Manual defibrillation modes include synchronous cardioversion and asynchronous defibrillation.

Pacing: Having on-demand pacing and fixed pacing mode, for patients with cardiac arrest and acute severe slow arrhythmia, in vitro non-invasive pacing mode is rapid, easy to master, time-saving and improve recovery success rate.



Monitor: 5-lead ECG monitoring as standard, optional monitoring functions include SpO2, TEMP, EtCO2, IBP, and 12-lead ECG are also available for continuous monitoring of patient vital signs.

AED: The model applies patented analysis algorithm and automated analysis as well as convenient setting to guide clinical emergency personnel in providing defibrillation and basic life support.

Defibrillator

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The Most Convenient and Efficient Life Rescue

As the most important part of CPR, time is the key for defibrillator monitor.

Therefore, Newlife abandons complex operation and improve convenience and efficiency for rescue.



4 knob, mode can be switched among manual defibrillation, pacing and AED.

25 types, energy selections.

1s, electricity can be set up, rescue time is guaranteed fully.



1 for 2, electrode paddles can be divided into large and small electrode paddles which can defibrillate for both adult and child respectively.

3 steps, fulfill defibrillating operation (Energy selection - Charging - Discharging).

1 button, selecting 12-lead monitoring interface.



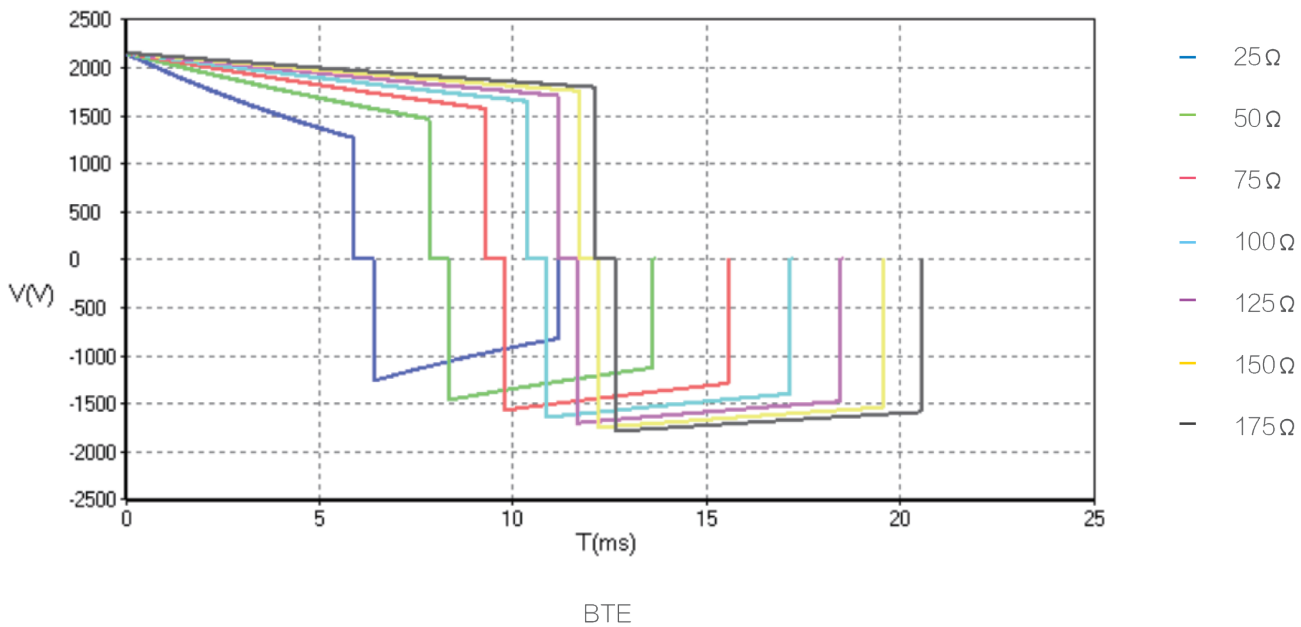
1 par. defibrillating operation can be completed on a pair of electrode paddles.

Higher and Greater for Better Rescue

Up to **360J** energy selection, for patients with high defibrillation thresholds such as myocardial infarction, obesity, high impedance, higher energy selection indicates greater defibrillation success rate.

Greater Impedance Range from **20-250 Ω** , suitable for a great range of patients.

Higher efficiency with Advanced Biphasic Truncated Exponential (BTE) waveform technology and automatic impedance compensation.



Lower energy



Lighter damage



Better defibrillation

Standby as you need, review as you request

Reliable quality has always been the pursuit of HOSMED personnel. As a first-aid device, defibrillator is often utilized in extreme environments, whereby its reliability is highlighted in various circumstances.



Anti-shock and anti-fall, sturdy and durable.
With IP44 Ingress protection, Newlife avoids the penetration of liquid and can be applied in complexly outdoor environment.



Large-capacity lithium battery, support fast charging and more than 420 times of maximum discharges, satisfy clinical requirements.



With manual, automatic, power-on self-test function, ensure application at anytime.



80mm thermal printer, waveforms are more clear and accurate.



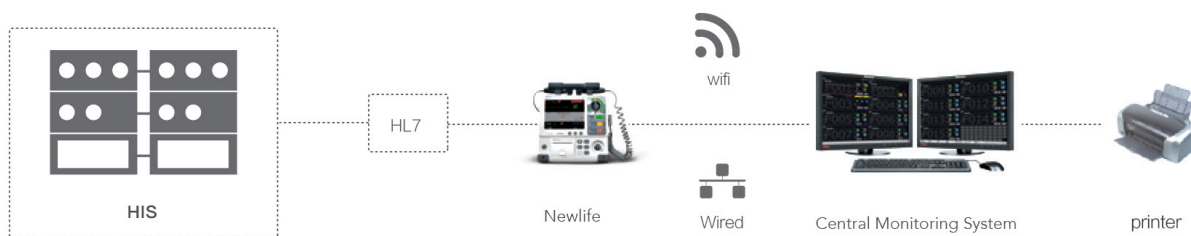
Support 240 minutes of AED voice recording storage, the recording of each patient can be saved up to 60 minutes.



Numerous events review, trend and data storing.

Information—based Network Solution

Provides a comprehensive networking solution, allowing users to access patient's information and improve work efficiency when needed.



Defibrillator

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Standard Configuration:

Manual defibrillation, AED, Pacer, 5-lead ECG, RESP, Thermal Recorder

Optional:

12-lead ECG, NIBP, TEMP, PR, EtCO₂, IBP, SPO₂

Safety Standards

ISO 13485:2016 approved, according to MDD93/42/EEC

Physical Characteristics

Size: 323mmx277mmx338mm
Weight: 7.2 kg
Screen Size: 8.4" TFT screen
Resolution: 800 x 600
Waveforms: 5 waveforms

Operation Environment

Temperature: 0~45°C
Humidity: 10%~ 95%, non-condensation
Water Resistance: IP44 (without external power)
Solids Resistance: IPAX
Power requirement: 100-240V~, 50/60Hz+1Hz
Battery type: Rechargeable Lithium-ion battery
Battery capacity: 7500mAh, d.c.14.8V
Battery number: Max 2
Battery recharging Time: Less than 2 hours to 80% and less than 3 hours to 100% with equipment power off

Battery backup: Monitoring Mode: 12 hours;
(Two new, fully Defib Mode: 420 times (360J charged battery) charge at intervals of 1minute without recording);

Pacing Mode: 9 hours (50 O load
impedance, Pacing rate: 80bpm,
Pacing output: 60mA, without recording)
Brightness: Manual from 1 to 100

Indicator:

Two alarm indicators
Power indicator
Maintain indicator
Error indicator
QRS beep and alarm sound
Operating key sound

Interfacing

USB interface
RJ45 interface
AC power input
VGA interface
Multi-functional connector

Date storage

Alarm Event: 200 groups
Patient profiles: 1000 groups
Wave Review: 48 hours
NIBP Review: 2000 groups
Trend Graph: 160 hours
Trend Table: 160 hours
ECG report: 500 cases of 12-lead ECG diagnosis/report (Up to 5 case reports per patient)

Voice recording:

Max 240 min in total;
(Up to 60 min for each patient)
Available
Yes
Marked events
Power-off storage: Yes
Alarm: User-adjustable High and Low 3-level Limits;
Network: Connected to Central Monitoring System by hardwire/wireless

Recorder

Type: Built-in; Thermal array
Channel: 4 channel waveforms
Real-time recording: 3s, 5s, 8s, 16s, 32s, Continual
Speed: 25mm/s, 50mm/s
Record width: 80mm
Resolution: 8dot/mm (Horizontal and vertical)

Background grid: Configurable
External printer: Yes

Defibrillator

Operating mode: Manual Mode, AED Mode, Synchronous defibrillation
Waveform: Biphasic truncated exponential waveform, with impedance compensation
Defibrillation pathway: External defibrillation
Electrode type: External defibrillation paddles, multifunctional electrode

External defibrillation electrode paddles: Supports charging, discharging and energy selection; Charging completion indicator

Charge Time: (Battery power) Less than 5 seconds to 200 Joules with a new, fully charged battery
Less than 8 seconds to 360 Joules with a new, fully charged battery

Charge Time: (AC power) Less than 7 seconds to 200 Joules; Less than 11 seconds to 360 Joules

Energy accuracy: +1.5J or 10% of setting, whichever is greater, while 502 impedance +2J or 15% of setting, whichever is greater, while 252, 752, 1002, 1252, 1502, 175Q2 impedance

Patient Impedance Range: 20~250 Ω (External defibrillation);

Defibrillation proof: Type CF: ECG, RESP, SpO₂, NIBP, IBP, TEMP, PR;
Type BF: CO₂

Manual Mode

External defibrillators: 1J)~ 36035, 25 types
(1/2/3/4/5/6/7/8/9/10/15/20/30/50/70/100/120/150/170/200/220/250/270/300/360J)

Synchronous Cardioversion: Energy transfer begins within 60ms of the R wave
Energy transfer begins within 25ms of the External Sync signal

AED

Output Energy: Adjustable: 100-360J

Number of electric shock: Adjustable: once, twice, 3 times

AED maximum time required for cardiac rhythm analysis to be ready for discharge: Battery power supply: 18s
AC power supply: 21s

Types can be AED: VF & VT

Noninvasive Pacing

Waveform: Monophasic square wave pulse

Pulse Width: 20 ms

Accuracy: +5%

Pacing Mode: On-demand or fixed

Pacing frequency: 40 ppm to 170 ppm

Accuracy: +1ppm or 1.5% (whichever is greater)

Pacing output: 0 mA to 200 mA

Accuracy: +5% or +5mA, whichever is greater

Speed-down pacing: Pacing pulse frequency reduced to 25% of original value.

Monitoring ECG

Lead Type: 3 leads ECG, 5 leads ECG, 12 leads ECG, AUTO

Lead selection: 12-Lead: I; II; III; aVR; aVL; aVF; V1~V6
5-lead: I; II; III; aVR; aVL; aVF; V
3-lead: I; II; III Multi-lead

synchronization analysis: Available

ECG sensitivity: Auto, 1.25 mm/mV (x0.125), 2.5 mm/mV (x0.25), 5 mm/mV (x0.5), 10 mm/mV (x1), 20 mm/mV (x2), 40 mm/mV (x4),

Accuracy: Less than +5%

Sweep speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s

Accuracy: Adult:
Heart Rate : High limit: (low limit+2bpm) ~ 300bpm
Alarm limit range: Low limit: 155bpm~ (high limit-2bpm)
Pediatric: Same as the range of measurement
40bpm~240bpm
Resolution: 1bpm
Accuracy: +3% or +3bpm, whichever is greater

Nellcor SpO₂

Measurement range: 0~100%

Resolution: 1%

Accuracy: +2% (70~100%, Adu/Ped, non-motion)
1~69% unspecified

Alarm range: 20~100%

PR Measurement Range: 20~300bpm

Resolution: 1bpm

Accuracy: +3bpm (20~250bpm)
Unspecified (251~300bpm)

Alarm range: 20~350bpm

Masimo SpO₂

Measurement & alarm range: 1~100%

Resolution: 1%

Accuracy: +2% (70~100%, Ped/Adu, non-motion)
1~69% unspecified

Alarm range: 1~100%

PR Measurement Range: 25~240bpm

Resolution: 1bpm

Accuracy: +3%(non-motion)
+5% (motion);
20~350bpm

Alarm range: 20~350bpm

PI value: Resolution: 0.02~20%
0.01% (0.02% ~ 9.99%)
0.1% (10.0% ~ 20.0%)

Accuracy: unspecified

SIQ: Available

Hosmed SpO₂

Measurement & alarm range: 0~100%

Resolution: 1%

Accuracy: +2% (70~100%, Ped/Adu, non-motion)
0~69% unspecified

PR Measurement Range: 20~254bpm

Resolution: 1bpm

Accuracy: +2bpm

Alarm range: 20~350bpm

PI value: 0.05~20%

Resolution: 0.01% (0.05% ~9.99%)
0.1% (10.0% ~ 20.0%)

Accuracy: unspecified

SIQ: Available

Temperature (Dual Channel)

Measurement & alarm	
Range:	0~50°C
TEMP sensor:	Standard configuration-skin TEMP sensor
Resolution:	0.1°C
Accuracy:	+0.1°C (exclusive of error of sensor)
Channel type:	T1, T2, TD (Temperature Difference)

MASIMO EtCO₂ (Sidestream)

Measurement range:	0~190mmHg, 0*25% (at 760mmHg)
Accuracy:	Standard environment 22+5°C, 1013 + 40kPa: 0~15%: + (0.2%+reading X 2%) 15~25%: not defined All environment: + (0.3kPa+reading X 4%)
Resolution:	1mmHg or 0.1%
awRR range:	0~150rpm
Response time:	<3s
Delay time:	<2s

Respironics EtCO₂ (Sidestream)

Measurement range:	0~150mmHg, 0 to 25% (at 760mmHg)
Accuracy:	+2 mmHg (0-40 mmHg) + 5% of reading (41 — 70 mmHg) + 8% of reading (71 -100 mmHg) +10% of reading (101~150 mmHg)
Resolution:	1mmHg
awRR range	0~150rpm
awRR accuracy:	+1rpm
Response time:	<240msec (10% to 90%)
Delay time:	<2s

IBP

Channel:	2 Channels
Measured Pressure:	ART, PA, CVP, RAP, LAP, ICP, LV, AO, UAP, BAP, FAP, UVP, IAP, P1, P2, P3, P4
Measurement Unit:	mmHg/ kPa/ cmH ₂ O selectable
Measurement range:	ART: 0~300mmHg PA: -6~120 mmHg CVP: -10~40mmHg RAP: -10~40mmHg LAP: -10~40mmHg ICP: -10~40mmHg LV: 0~300mmHg AO: 0~300mmHg UAP: 0~300mmHg BAP: 0~300mmHg FAP: 0~300mmHg UVP: -10~ 40mmHg IAP: -10~40mmHg P1, P2,P3,P4: -50~300mmHg
Accuracy:	+2% or +1mmHg (whichever is greater)
Resolution:	0.1kPa or 1mmHg (-50mmHg~+300mmHg)
Alarm Range:	-50mmHg~+300mmHg
PR from IBP:	20bpm~350bpm
Resolution:	1bpm
Accuracy:	+1% or +1bpm, whichever is greater
PPV/SPV measurement:	Available
PAWP measurement:	Available

**Specifications subject to changes without prior notice.
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- Higher and Greater for Better Rescue
- Standby as you need, review as you request





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