



# ES-DEF EXPRESS 6

Automatic external  
defibrillator / with ECG



INTENSIVE CARES





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Automatic external defibrillator / with ECG



**ES-DEF EXPRESS 6** Automatic External Defibrillator is a safe, easy to use defibrillation device. The unit is lightweight and mobile and can be used in situations where there could be several minutes before the arrival of advanced life support (ALS).

ES-DEF EXPRESS 6 is a portable model, which can be equipped at home, in public places, or in the hospitals.

It's easy to use when give first-aid to patient.

Meanwhile, it has the function of automatic analyzing patient's ECG data, and then takes corresponding defibrillation energy level according to patient's current situation, which has greatly improved success rate, and maximum reduced damage to patient's heart.



- Three-step defibrillation process
- Two-button operation
- Extensive voice and visual prompts for the operator
- Biphasic energy output
- Lock-out protection to prevent inadvertent defibrillation
- Continuous event recording for reporting each use to a printer or a computer
- Weekly self-test to ensure readiness
- Color LCD screen
- Adult and Pediatric defibrillation
- CPR coaching (Optional)



**ES-DEF EXPRESS 6** recognizes ventricular fibrillation and other ventricular tachycardia and guides operators through the defibrillation process. When properly connected to a patient who is unconscious, not breathing, and without a pulse, the instruction determines if exists a shock situation and if appropriate, automatically arms the Shock button.

ES-DEF EXPRESS 6 delivers the defibrillation shock through two self-adhesive, pre-gelled, low-impedance electrode defibrillator pads. The pads, cable, and connector are sold as disposable kits.





## Technical Features

Defibrillator	
Output	Biphasic Truncated exponential
Energy Sequence(adult )	150/150/200(Default) 150/200/200 200/200/200 Note: the Energy sequence can be changed using the computer IR port.
Energy Sequence(Pediatric)	50/70/85(Default) 70/70/85 70/85/85 85/85/85 Note: the Energy sequence can be changed using the computer IR port.
Charge Time	10 sec. to 200 J
Analysis Time	9 sec.
The max. time - rhythm analysis	The max. time from the initiation of rhythm analysis to readiness for maximum Energy discharge after 15 shocks, Less than 30 seconds
The maximum time - switching power on	The maximum time from initially switching power on to readiness for maximum Energy discharge after 15 shocks, Less than 35seconds
Audible Prompts	19 audible prompts
Visual Prompts	LED/LCD
Controls	six buttons - On/Off, Shock, and 4 software-configurable buttons
Output Energy Accuracy	±15% into any impedance from 25 to 175Ω
The Maximum Voltage	1800±20V
Output disabled when the PATIENT impedance is outside limits	20Ω to 200Ω
Recovery of the ECG input after defibrillation	<10s

Physical	
Dimensions	225 x 200 x 85mm
Weight	2.0 kg
Operating Temperature	0°C to 40°C
Operating Humidity	Relative humidity between 30% and 95% (non-condensing)
Altitude	-300 to 15,000 ft( -91m to 4573m)
Pressure	102.4kPa~57.2kPa(768mmHg~429mmHg)
Storage Temperature (without battery)	-20°C to 55°C
Storage Humidity (without battery)	Up to 93% (non-condensing)
Particle and Water Ingress	IP24

Electrical Isolation	
Power	Unit operates on internal battery only
External Electrical Connections	No external devices are attached to the unit
Risk Current Category	Internally powered equipment with defibrillator-proof BF type patient applied part (as per definition of IEC 60601-1 standard)



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