



ES-DEF EXPRESS 6

Automatic external defibrillator / with ECG



INTENSIVE CARES



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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).

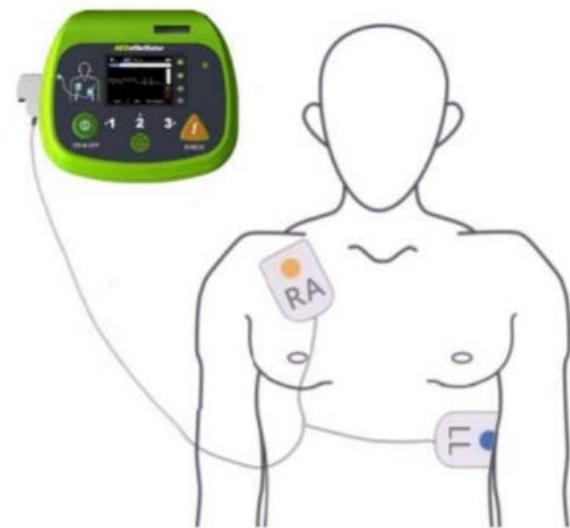
ES-DEF EXPRESS 6 is a portable model, which can be equipped at home, in public places, or in the hospitals.

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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