

### 3 Channel ECG machine with 7 inch color screen display

**Model: BES-307**

**Features:**

1. 7 inch 480x680 color graphic LCD display (option: touchscreen)
2. Three channel ECG machine with interpretation for adult and pediatric patients
3. 12-lead ECG simultaneous acquisition
4. Able to detect and alarm on electrode disconnection (acoustic and visual alarm)
5. Multiple operation modes: Manual/Auto (3-20 sec)/Arrhythmia Analysis Modes
6. 80mm 3-channel recording with a rhythm lead
7. Digital filters eliminate EMG, AC, Baseline Drift interference; automatic positioning of the Baseline provides accurate ECG trace
8. Standard measurements of ECG parameters include P wave duration, QRS duration and T wave duration, P-R interval, QTC and Q-T interval
8. Heart rate: Display HR when HR from 30 to 300 per minute  $\pm 1$  bpm
9. Built in rechargeable Li-ion battery, 5 hours working
10. Patient data: ID, Name, Gender, Age, Height, Weight
11. 250 patients save/replay in built-in internal memory (*optionally: other built-in memory capacities available upon request; additional storage [ex: SD card]*)
12. Data interfaces: USB, SD; *optionally: LAN, Wi-Fi*

<b>BES-307</b>	<b>Specification</b>
Lead	12 leads, Standard or Cabrera, 12 leads simultaneously acquisition
Input circuit	Floating, CF-type defibrillation protection $\geq 410$ J
LCD display	480*680 7 inch color screen LCD display ECG waveform, operation conditions, Time, Heart-rate
Safety	IEC class I, type CF
Sampling rate	1000 samples/Sec/Channel
A/D converter	12x2 bits
Recording Mode	automatic, manual, Long Term(60Sec)
Calibration Voltage	1 mV $\pm 2\%$
Filter	AC (50Hz or 60Hz, -20dB)
	EMG (25Hz/35Hz/45Hz/75Hz/100 Hz, -3dB)
	Drift (0.5Hz, -3dB)
	Built-in low-pass: 0.05/0.16/0.25/0.32/0.67 Hz Built-in high-pass: 20/40/150 Hz
Sensitivity	Auto, 1.25, 2.5, 5, 10, 20, 40 mm/mV $\pm 2\%$

Paper speed	5, 6.25, 10, 12.5, 25, 50 mm/s $\pm$ 3%
CMRR	> 80dB and >110dB (AC filter in use)
Input circuit current	<0.1 $\mu$ A
Patient Current Leakage	< 10 $\mu$ A
Pacing detection	Built-in
Input Impedance	50 M $\Omega$ DC
Time constant	> 3.2S
Frequency Response	0.05--150Hz,-3dB
Noise Level	<15 $\mu$ V
Built-in thermal printer resolution	$\geq$ 8 dot/mm (Vertical) / $\pm$ 5% $\geq$ 40 dot/mm (Horizontal, 25 mm/s) / $\pm$ 5% $\geq$ 20 dot/mm (Horizontal, 50 mm/s) / $\pm$ 5%
Paper size	80mm roll type thermal paper ( <i>optionally: Z-fold</i> )
Portability	portable, with built-in handle; <i>optionally: carrying bag; trolley mounting; trolley on wheels</i>
Case storage	250 cases at least, can be stored on external SD card <i>(SD card provided optionally: 2 GB, 4 GB, 8 GB, 16 GB and others upon request)</i>
Power supply:	AC 100V~240V $\pm$ 10%, 50/60 Hz $\pm$ 2%
Built-in battery	Li-ion rechargeable battery pack, 11.1V, 5 hours working <i>(optionally are available other capacities upon request)</i>
Fuse Specification	2 $\Phi$ 5x20mm
Patient Cable	standard 10 leads, reusable electrodes: 6 chest + 4 limbs <i>(optionally: cable with single use electrodes)</i>

