The ZOLL PD 1200, combining defibrillation, pacing, and monitoring, offers complete ACLS-response capabilities in a single, easy-to-use unit that is ideal for critical and speciality-care areas. It can be configured with the ZOLL "hands-off" Multi-Function Electrodes, with standard defibrillation paddles and pacing electrodes, and with internal defibrillation paddles and pacing electrodes.

The ZOLL PD 1200 operates on both AC line and battery power and is completely compatible with all models in the ZOLL cardiac resuscitation system.
# ZOLL PD™ 1200 Specifications

## Pacemaker
- **Type:** VVI demand, asynchronous (fixed rate) when used without ECG leads.
- **Pulse Type:** Rectilinear, constant current.
- **Pulse Amplitude:** Variable to 140 mA.
- **Pulse Duration:** 40 milliseconds.
- **Output Protection:** Fully defibrillator-protected and isolated.
- **Pacer On:** Message display on monitor.

## Defibrillator
- **Waveform:** Damped sinusoid.
- **Output Energy Delivered:** Selectable at 2, 3, 5, 7, 10, 20, 30, 50, 100, 150, 200, 300, 360 joules.
- **Charge Time:** Less than 10 seconds.
- **Delivered Energy Display:** CRT monitor displays delivered energy.
- **Synchronized Mode:** Synchronizes defibrillator pulse to patient's R-wave. “SYNC” message displayed on monitor. Marker on monitor and on recorder paper identifies R-wave.
- **Internal Paddles:** Output limited to 50 joules when internal paddles are connected. Discharge from paddles.
- **Charge Controls:** Control on apex paddle and front panel.
- **Paddles:** Standard paddles are anterior/anterior, adult and pediatric. Adult paddles slide off to expose pediatric paddles.
- **Defibrillation Electrodes:** Specifically designed ZOLL Multi-Function Electrodes used in anterior/anterior or anterior/posterior positions; packaged in pairs.
- **Integral Defibrillator Tester:** Integral circuitry allows complete test of defibrillator charge and discharge without removing paddles from storage wells. Identical circuitry allows complete test of defibrillator charge and discharge.
- **Defib On:** Message display on monitor.

## Monitor and Display
- **Patient Connection:** Via 3-lead ECG cable, paddles, and electrodes. Selectable by front panel switch.
- **Input Protection:** Fully defibrillator-protected. Special circuit prevents distortion of ECG by pacer pulse.
- **Bandwidth:** 50 Hz (−3dB) standard.
- **Display Format:** Nonfade, moving trace with freeze capability.
- **Screen Type:** High-resolution CRT display.
- **Screen Size:** 5 inches diagonally (100 mm x 85 mm viewing area).

## Display
- **Sweep Speed:** 25 mm/sec.
- **Viewing Time:** 4 seconds.
- **Heart Rate:** Digital display on monitor 0 – 300 BPM.
- **Pacing Current:** Digital display on monitor 0 – 140 mA.
- **ECG Lead Selection:** Display on monitor.
- **ECG Size:** 0.5, 1, 2 cm² display on monitor.
- **Alarm On/Off Status:** Display on monitor. User selectable High (60 – 280 BPM) Low (20 – 100 BPM).

## Diagnostic Self-Test
- **Battery Charger:** Extended diagnostics – self-test mode.
- **Defibrillator Charge Time:** Extended diagnostics – self-test mode.
- **Peak Delivered Defib Current:** Extended diagnostics – self-test mode.
- **Pace Rate and Output:** Extended diagnostics – self-test mode.

## Operating Time
- **50 defibrillator charges to maximum energy (360J), or 2 hours of continuous monitoring, or 1.5 hours of continuous monitoring/pacing at 60 mA, 80 beats/min.**

## Batteries
- **Type:** Rechargeable, sealed lead-acid.
- **Charging:** 24 hours to full capacity.
- **Service:** Integral to instrument; no separate charger unit required.
- **Low Battery Indicator:** Message display on monitor. Approximately 20 minutes of monitoring remain when message is displayed.

## Product Information
- **ZOLL PD 1200 8002-0011** Pacemaker/Defibrillator standard configuration includes the following:
  - 1 set standard anterior/anterior defibrillator paddles (adult, pediatric), 1 ECG cable, 1 pacor output cable, 1 set adult electrodes, 1 set pediatric electrodes, 1 roll recorder paper, 2 operator's guides, 1 tube defib gel, 1 inserter videotape.

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## General
- **Size:** 18 cm high x 32 cm wide x 42 cm deep (7 x 12.5 x 16.5 in).
- **Weight:** 12 kg (27 lbs).
- **Power Requirements:** 115 VAC 60 Hz input or 220 VAC, 50 Hz input.
- **Power Consumption:** 50 watts maximum.
- **Warranty:** In North America: 5 years, including use of a loaner. Outside North America: contact ZOLL authorized representative.
- **Design Standards:** Meets or exceeds all AAMI specifications for defibrillators. Meets or exceeds UL 544, IEC 60601, CSA standards for medical equipment.
- **Patient Safety:** All patient connections are fully isolated.
- **Temperature:** Operating: 0°C to 55°C. Storage: −40°C to 70°C.
- **Humidity:** 5% to 95% relative.

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