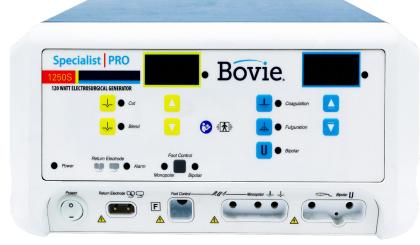


The **Bovie Specialist PRO** is a multifunctional generator that contains a sleek push button design and is suitable for most monopolar and bipolar surgical procedures. This unit is the electrosurgery answer for desired physician offices and specialty facilities. The Specialist PRO provides 5 energy outputs capable of up to 120 watts of power; modalities consist of Cut, Blend, Coagulation, Fulguration and Standard Bipolar. The generator incorporates multiple safety features such as BovieNEM (Neutral Electrode Monitoring) pad sensing technology, BovieDED (Digital Error Detection), audible alert tones and self-test circuits.

Features

- Large illuminated digital displays
- Ample raised push button power-controls provide rapid power adjustments.
- Self-test circuits
- Audible tones
- Discreet outputs FCFS (First Come First Served)
- Isolated circuitry
- Digital Error Detection



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Specifications

| Dimensions | Height: 6 in (15.2 cm) Width: 10.25 in (26 cm) Depth: 12 in (30.5 cm) Weight: < 9 lb (<4 kg) |
|----------------------|---|
| Energy Settings | Cut: 120 Watts Blend: 90 Watts Coagulation: 80 Watts Fulguration: 40 Watts Bipolar: 30 Watts |
| Input Power | VAC: 100 – 240 Mains line frequency range (nominal): 50 – 60 Hz Power consumption: 270 VA Fuses (two): 3.15A (Slow Blow) |
| Operating Parameters | Ambient temperature range: 10° to 40° C (50° to 104° F) Relative humidity: 30% to 75%, non-condensing Atmospheric pressure: 70kPa to 106kPa Warm-up time: If transported or stored at temperatures outside the operating temperature range, allow one hour for the generator to reach room temperature before use. |
| Audio Volume | Activation Tone Volume (adjustable): 40 to > 65 dB Frequency Cut: 610 Hz \pm 10 Hz Blend: 610 Hz \pm 10 Hz Pinpoint: 840 Hz \pm 10 Hz Spray: 840 Hz \pm 10 Hz Bipolar: 840 Hz \pm 10 Hz Duration: Continuous while the generator is activated Alarm Tone Volume (not adjustable): 25 dBA at a distance of one meter Frequency: 2.44 kHz / 450 ms / 1.22 kHz / 450 ms |

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| Specifications | |
|---|--|
| Return Electrode Sensing | Single Plate Trip resistance: 0 Ω to 8 Ω ± 1 Ω Continuous measurement: Once the system establishes the single-plate electrode resistance, an increase of 20 Ω ± 25 Ω in resistance will cause an alarm. When the alarm condition exists, the system deactivates output power. Split Plate Trip resistance: 10 Ω ± 5 Ω to 135 Ω ± 10 Ω Continuous measurement: Once the system establishes the split-plate electrode resistance, an increase of (35 ± 5)% in resistance will cause an alarm. When the alarm condition exists, the system deactivates output power. |
| Low Frequency (50-60 Hz) Leakage Current | Enclosure source current, ground open: < 500 μA 220 - 240 VAC < 300 μA 90 - 120 VAC Source current, patient leads, all outputs: Normal polarity, intact ground: < 10 μA Normal polarity, ground open: < 50 μA Reverse polarity, ground open: < 50 μA Sink current at high line, all inputs: < 50 μA |
| High Frequency (RF) Leak- age Current | Bipolar RF leakage current: < 39 mA rms Monopolar RF leakage current: (additional tolerance) < 150 mA rms |
| Duty Cycle | Under Maximum power settings and rated load conditions (Cut, 120 watt @ 500 ohm load), the generator is suitable for activation times of 10 seconds on, 30 seconds off for one hour. The Internal temperature of the unit is continuously monitored. If the temperature rises above 850 C, the alarm will sound and output power will be deactivated. |
| Storage | Ambient temperature range: 10° to 30° C (68° to 86° F) Relative humidity: 10% to 75%, non-condensing Atmospheric pressure: 5 0kPa to 106kPa |
| Transport | Ambient temperature range: -40° to +70° C Relative humidity: 10% to 100%, including condensation Atmospheric pressure: 50kPa to 106kPa |

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