



The **Bovie IDS 310** was designed in conjunction with OR clinicians to provide a safe, user-friendly generator to meet all operating room procedure performance demands. This innovative energy-based device offers 13 modes of surgical energy delivery. Special modalities include the advanced Bovie Bipolar, Auto Bipolar options and special Laparoscopic modes. These modes were included to assist surgeons in tailoring all electrosurgery needs for their variety of surgical applications and user preferences.

## Features

- Bovie Bipolar - Pulsing coagulation for quick and powerful coagulation of tissue.
- Auto Bipolar - Offers immediate and simplified tissue coagulation with minimal tissue damage.
- Specialized Laparoscopic Mode - Recalls up to 10 presets and up to 6 bipolar output preferences
- Adjustable Power During Activation



# Specifications

## Dimensions

**Height:** 6.5 In (16.5 cm)  
**Width:** 14.75 In (37.5 cm)  
**Depth:** 18.1 In (46 cm)  
**Weight:** < 20 lbs (< 9.07 kg)

## General

**Contact Monitoring Systems:** BovieNEM  
**Contact Monitoring Systems**  
Range/Trip Point: 10 ohms or less over entire operating range (10C° to 40°C)  
**Cooling System:** Passive Cooling  
**Technology:** Isolated RF Output  
**Pre-set Feature:** Yes  
**Monopolar HP Ports:** 2  
**Dual Activation Tone Alert:** Yes  
**Connector Ports/Power Switch:** Black

## Bipolar

**Macro Bipolar**  
Watts: 150  
VPeak Max Voltage: 600V  
Crest Factor (Typical): 1.5 ± 20%  
Frequency: 490 kHz ± 4.9 kHz

**Micro Bipolar**  
Watts: 80  
VPeak Max Voltage: 450V  
Crest Factor (Typical): 1.5 ± 20%  
Frequency: 490 kHz ± 4.9 kHz

**Standard Bipolar**  
Watts: 50  
VPeak Max Voltage: 300V  
Crest Factor (Typical): 1.5 ± 20%  
Frequency: 490 kHz ± 4.9 kHz

**Bovie Bipolar**  
Watts: 225  
VPeak Max Voltage: 250V  
Crest Factor (Typical): 1.5 ± 20%  
Frequency: 490 kHz ± 4.9 kHz

**Auto Bipolar**  
Watts: 80  
Frequency: 490 kHz ± 4.9 kHz



# Specifications

## **Monopolar**

### **Cut I**

Watts: 300  
VPeak Max Voltage: 1000V  
Crest Factor (Typical):  $1.7 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Cut II**

Watts: 300  
VPeak Max Voltage: 750V  
Crest Factor (Typical):  $1.7 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Blend (1)**

Watts: 200  
VPeak Max Voltage: 1320V  
Crest Factor (Typical):  $1.8 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Blend (2)**

Watts: 200  
VPeak Max Voltage: 1475V  
Crest Factor (Typical):  $2.0 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Blend (3)**

Watts: 200  
VPeak Max Voltage: 1650V  
Crest Factor (Typical):  $2.2 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Blend (4)**

Watts: 200  
VPeak Max Voltage: 1870V  
Crest Factor (Typical):  $2.4 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Pinpoint Coagulation**

Watts: 120  
VPeak Max Voltage: 1800V  
Crest Factor (Typical):  $3.1 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

### **Spray Coagulation**

Watts: 120  
VPeak Max Voltage: 4000V  
Crest Factor (Typical):  $6.0 \pm 20\%$   
Frequency: 350 to 450 kHz

### **Gentle Coagulation**

Watts: 120  
VPeak Max Voltage: 450V  
Crest Factor (Typical):  $1.6 \pm 20\%$   
Frequency:  $490 \text{ kHz} \pm 4.9 \text{ kHz}$

