



## HV-300B Electrosurgical Generator

HV-300B ElectroSurgical Generator  
Versatility in office-based ElectroSurgery

For general electroSurgery needs in the office, clinics, or emergency room, the HV-300B Generator provides exceptional performance, reliability, and safety benefits in a compact, easy to use unit.

### Ease

Ease and quick to set up; compact and light  
Save time with automatic access to previous used power settings and modes  $\pm$   
Provides precise surgical effect with power control dials

### Flexibility

Performs most common office-based electroSurgical procedures  
Includes both monopolar and bipolar outputs

### Reliability

Manufactured to the highest standards of quality in electroSurgical technology  
Ensure consistent clinical performance over a variety of procedures

### Safety

Increased patient safety with a return electrode contact quality monitoring system (REM). The REM system continually monitors patient impedance levels and deactivates the generator if a fault in the patient/return electrode contact is detected.

### High Frequency leakage

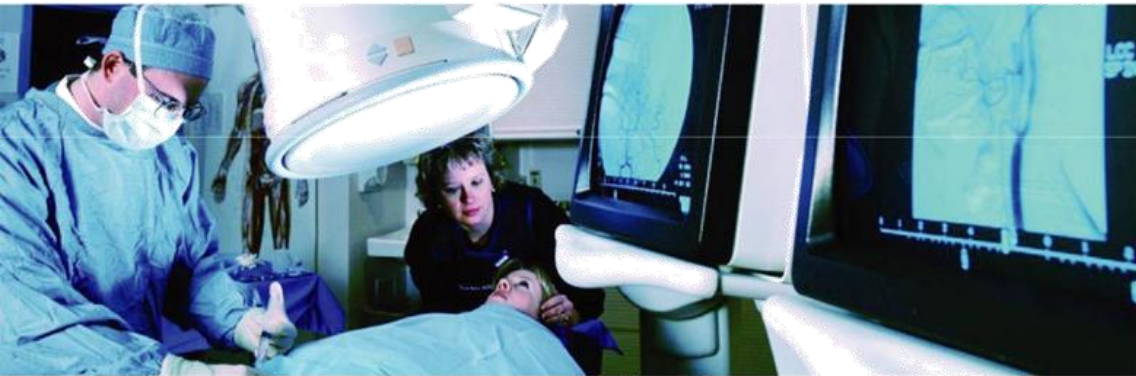
Bipolar: less than 60mA  
Monopolar: less than 150mA

### Low frequency leakage

source current, patient leads, all outputs tied together  
Normal polarity, intact chassis ground < 10 $\mu$ A  
Normal polarity, ground open < 50 $\mu$ A  
reverse polarity, ground open < 50 $\mu$ A  
sink current, 140V applied, all inputs < 50 $\mu$ A

### Power readouts

Agree with actual power into rated to within  
 $\pm$  20% or 5W, whichever is greater, Dosage  
Error monitor.



## Unique features of the HV-300B Electrosurgical Generator

Improved performance at lower power settings minimizes the risk of tissue damage and neuromuscular stimulation

Easy to use, cost effective system when performance is required and price is of equal concern

Four cut modes offer surgeons a variety of choices:

Pure cut for a clean, precise cut

Blend 1, 2, 3 for cutting with homeostasis

Two coag modes:

Fulgurate for lower voltage coagulation requirements

Spray for coagulating large tissue areas with superficial of necrosis

Two Bipolar models:

Bipolar cut and coag: with the active electrode formed one confined circuit to perform the surgery; minimize damage to tissue by limiting the amount of tissue involved in the electrosurgical circuit.

Versatile system that is uniquely compatible with other, including:

Under water cut socket (endo cut)

HV argon coagulation system

Optimum Smoke Evacuation System-Clean air in the operation theatre

### Technical Specifications

Output Frequency 540Khz

Line Voltage: 110V/220V~

Line Frequency 50/60Kz

### Weight and Dimentions

Height: 14cm

Width: 32cm

Length: 41cm

Weight: < 8.5kg

### 2. Applicable range

Applicable for general surgery, thoracic surgery, orthopedics, obstetrics and gynecology, urologic surgery, cerebral surgery, microsurgery, ENT surgery and etc.

## Output Characteristics

	Mode	Maximum P-P Voltage	Rated Load (OHMS)	Maximum Power (Watts)	Crest Factor (Typical)
Bipolar	Standard Coag	550	100	70	1.6
Monopolar Cut	Pure	1900	300	300	1.6
	Blend 1	2300	300	250	2.5
	Blend 2	2500	300	200	2.8
	Blend 3	2800	300	150	2.9
Monopolar Coag	Fulgurat	2800	300	120	2.9
	Spray	7000	300	100	6.2

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