



The **Valleylab SurgiStat** is an isolated, solid state electrosurgical generator that is designed for procedures which require low power and are generally performed in office, clinics, and emergency rooms. The Valleylab SurgiStat can cut and coagulate. This Valleylab ESU can be used in bipolar and monopolar mode.

## Features

- Cut and Coagulation modes.
- Monopolar and Bipolar operation.
- Perfect for common office-based procedures.
- Easy-to-use.



# Specifications

## Dimensions

**Height:** 6.3" (16 cm)  
**Width:** 9.5" (24.1 cm)  
**Depth:** 8.5" (21.6 cm)  
**Weight:** 13 lbs (5.8 kg)

## Output Waveform

**Blended Cut:** 300k Hz  $\pm$  25k Hz damped sinusoid with 50k Hz  $\pm$  5 Hz repetition  
**Coag:** 1 MHz  $\pm$  25k Hz damped sinusoid with 50k Hz  $\pm$  5 Hz repetition

## Output Characteristics

**Blended Cut**  
Nominal Open Circuit P-P Voltage: 2400 volts  $\pm$  400  
Nominal Power (Watts): 60 +5  
Crest Factor: 3.25  $\pm$  0.5

**Coag**  
Nominal Open Circuit P-P Voltage: 4200 volts  $\pm$  400  
Nominal Power (Watts): 25 + 2  
Crest Factor: 8  $\pm$  0.5

## Output Power Control

Cut and Coag output current is essentially linear with control rotation from settings of (1) to (10).

**Duty:** Maximum setting: 50%, 3 minutes on, 3 minutes off

## Output Isolations

**Output Isolation:** 115v Operation  
**Line Frequency Source Leakage Current:**  $\leq$  0.2  $\mu$ A  
**Line Frequency Sink Leakage Current**  $\leq$  12  $\mu$ A  
**RF Patient Leakage:**  $\leq$  150 mA rms (with typical active accessory)  
**Line Ground Leakage Current:** 60 Hz  
**Unit Off:**  $\leq$  10  $\mu$ A  
**Unit On:**  $\leq$   $\mu$ A

## Line Regulation

Line variations of 100 volts to 130 volts or 200 to 260 volts  
**Cut:** Output power 40 watts at 115 volts variation less than  $\pm$  4 watts  
**Coag:** Output power 15 watts at 115 volts variation less than  $\pm$  1 watt

