



The System 5000™ Electrosurgery Unit (ESU) unites technology with versatility providing the opportunity to fine-tune the electrosurgical generator to specific procedure and surgeon preferences. Unique modes on the System 5000™ include the Fluids Mode, for an additional boost of energy in procedures taking place in a fluid environment, and Lap Mode, which limits open circuit voltages to below 2700 volts in all modes and reduces the potential risk of inadvertent burns from capacitive coupling.

Dynamic Response Technology

The System 5000™ generator features proprietary Dynamic Response Technology. This technology delivers optimal clinical effects in all operational modes through the continuous synchronization of current and voltage. Advanced Digital Signal Processing architecture enables the system to sample current and voltage over 450,000 times per second and adjust the output accordingly to deliver consistent tissue

Features

- General Mode, traditionally used in open procedures.
- Fluids Mode - Quick start-up in fluid environments, such as urology or arthroscopy.
- Laparoscopic Mode, Limits output voltage to minimize potential harmful effects of capacitive coupling and insulation breakdown.
- Pulse Cut, useful when precise cutting effect is needed around delicate structures.
- Pulse Coag, provides superficial homeostasis via pulsing bursts of coagulation energy.
- Bipolar Output Meter, provides feedback on desiccation levels via audible and visual indicators.
- ARM (Automatic Return Monitoring), provides advanced warning of compromised patient to dispersive electrode contact.



Specifications

Dimensions	Height: 14in (5.5cm) Width: 35in (13.5 cm) Depth: 48 in (18.9cm)
Weight	4 kg (8.9 lbs)
Generator	Solid-state
Frequency	391 cut, 562 coag, 391 bipolar
Cooling System (Systems)	Convection, fan
Independent output	Yes
Power Setting Display	Yes
Visual (Alerts)	Yes
Audible (Alerts)	2 tones
Volume Control (Signals)	Yes
Power Needed, VAC (Energy)	90-127, 198-253"
Bandwidth (outputs)	2
Footswitch	Yes
Bipolar System	Yes

Mode	Watts	Max Peak Voltage
MONOPOLAR Cut (blend) Coagulate		
Max. energy output (at rated ohms) (SYSTEMS)	More than 250 Watt 300	820 Pure
Max. energy output (at rated ohms) (SYSTEMS)	Up to 150 Watt 80	6,350 spray
BIPOLAR (Macro, Micro)		
Max. energy output (at rated ohms) (SYSTEMS)	More than 150 Watt 90	610 macro
Max. energy output (at rated ohms) (SYSTEMS)	Up to 50 Watt 50	170 macro

