ASG-300
Electrosurgical Generator

Equipment for the way *you* operate

Built for the most demanding procedures

The ASG-300 ESU uses dedicated digital hardware instead of a general purpose controller for processing data. This hardware allows parallel data processing and generates very high data processing throughput, measuring tissue impedance 5,000 times per second.

This innovative cut behavior can be utilized in a variety of procedures, from high-powered/high-impedance procedures to general applications.

Features

- 300 watts maximum power output
- Monopolar and bipolar capable
- Two cut modes with 10 blend settings, indicated by the LED blend indicator bar located adjacent to the blend button controls
- Two modes of coagulation: Coagulation and Fulguration
- Pinpoint and spray coagulation
- Split or solid return electrodes
- Delivers consistent, repeatable power into varying load impedances
- Defibrillator-proof type CF equipment
- Footswitch indication on face of unit
- Dual voltage 50/60 Hz
- Does not require calibration
- Automatic safety features like self-test circuits, audible tones, discreet outputs, isolated circuitry, digital error detection and Bovie NEM™ (neutral electrode monitoring)
- Two-year warranty

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Accessible MediEquip (USA)

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Cut Modes and Blend Settings

The ASG-300 features two cut modes and ten different blend settings that are clearly indicated by the LED blend indicator bar located adjacent to the blend button controls. When one LED is lit the ASG-300 delivers a minimal hemeostatic effect. As the "up" button is pushed and the illumination advances from the bottom to the top the degree of hemostasis will increase and cutting speed may decrease. When powered up the ASG-300 performs a safety system check and automatically powers up to the last activated settings.

Coagulation Modes

The ASG-300 offers two modes of coagulation: Coagulation and Fulguration. Coagulation (pinpoint) provides precise control of bleeding in localized areas. Fulguration (spray) provides greater control of bleeding in highly vascular tissues over broad surface areas.

Designed for Safety

The ASG-300 features Automatic safety features like self-test circuits, audible tones, discreet outputs, isolated circuitry, digital error detection and Bovie NEM™ (neutral electrode monitoring).
BovieNEM™ means safety is digitally designed inside. The FCFS™ (first come first served) discrete output design of the ASG-300 enhances safety by allowing only one output to be activated at any given time. This feature assures that only the device you first activate will be an active device. Secondary commands will not override the first command. As an example: while the monopolar foot controlled output is activated, all handswitching is inactive, as well as the bipolar footswitch capability. For additional safety this unit has totally separate bipolar controls, discrete output, dispersive electrode fault alarms in both sensing and non-sensing modes, and is designed with an isolated RF output.

Digital Error Detection

Digital error detection means unsurpassed safety for the surgeon, OR staff and patient. The ASG-300 constantly monitors every aspect of it's output. At the sign of any problem the machine instantly disables the output and displays the appropriate error code on the display.

Built to the Required Standards

The ASG-300 has passed the following safety standards:
CSA C22.2 NO 601.1-M90, UL 2601-1-UL, IEC 60601-2-2, CENELEC EN 60601-1-2, FCC PART 15 Class A.

Also available!

ASG-120: Cut (120 watts), Blend (90 watts), Coag (80 watts), Fulg (40 watts), Bipolar (30 watts)

ASG-200: Cut (200 watts), Blend (200 watts), Pinpoint (120 watts), Spray (80 watts), Bipolar (30 watts)

Specifications

General

• Classification	Class 1 Equipment, IEC 60601-1
• Type	BF (Defibrillator Proof)
• Spillage Protection	Drip Proof (IEC 60601-2-2)
• Output Configuration	Isolated (RF Floating)
• Cooling	Natural Convection, No Fan

Dimensions and Weight

• Width	31.1 cm (12.3")
• Height	15.3 cm (6.0")
• Depth	41.3 cm (16.3")
• Weight	< 8.8 kg (< 19 lbs.)

Output Power

• Cut 1 & 2	300 W @ 300 Ω
• Blend	200 W @ 300 Ω
• Pinpoint	120 W @ 500 Ω
• Spray	80 W @ 500 Ω
• Bipolar	80 W @ 150 Ω
• Duty Cycle	10 S / 30 S
• Output Frequency	490 kHz ± 5
• Input Current	4.5 A ~
• Line Voltage	100 - 240 V ~
• Line Frequency	50-60 Hz
• Warranty	Two Years

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