



Pay for **only** the power **you** need.

► A Quick Look

- 300 watts maximum power output
- Monopolar and bipolar capable
- 10 blend settings
- Coagulation and fulguration modes
- 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
- Two-year manufacturer's warranty

The DRE ASG-300 is a multipurpose electrosurgical generator for use in the modern operating room and surgi-center. It features both monopolar and bipolar functions to satisfy all of your surgical demands with safety, flexibility, reliability, and convenience.

Ten Blend Settings

You don't have to settle for one or two blend modes anymore. With the ASG-300 you have ten different blend settings plus cut, all with 300 watts maximum power output for the most demanding procedures.

Two Modes of Monopolar Coagulation

Coagulation (120 watts maximum power) and Fulguration (80 watts maximum power), plus Bipolar (80 watts maximum power).

Digital Power Control

In addition, the ASG-300 delivers consistent, repeatable power into varying load impedances, with BovieFDFS™ (Fast Digital Feedback System), thereby greatly reducing the need for changing the power setting to obtain the desired surgical effect.

► Ten Cutting Blend Modes

You don't have to settle for one or two blend modes anymore. With digital technology, you can choose from ten different blend settings. These are clearly indicated by the LED blend indicator bar conveniently located adjacent to the blend button controls. When no LED is lit the DRE ASG-300 delivers pure cutting power. As the "up" button is pushed the bar begins to illuminate. As the illumination advances from the bottom to the top the degree of hemo-stasis will increase and cutting speed may decrease. The ASG-300 remembers its last settings; so when you turn the unit on, it performs a safety system check and automatically powers up to the last activated settings. For your convenience, the power output of the ASG-300 is calibrated in watts with large, illuminated digital displays.

► Coagulation Modes...

The DRE 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

Electrosurgical safety is a combination of good equipment design and safe surgical practices. The ASG-300, as part of this combination, represents state-of-the-art design using the latest digital components. The ASG-300 also self-test circuits, audible tones, discreet outputs, and isolated output circuitry.

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, O.R. staff, and patient. The ASG-300 constantly monitors every aspect of its 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.

DRE ASG-300 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	300 W @ 300 Ω
• Blend	300 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	One Year