Bovie® Electrosurgery For the O.R. & Surgi-center

The Aaron 3250...
New Digital System by Bovie®

The Aaron 3250 is a 300 watt 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 Aaron 3250 you have ten different blend settings plus two cut modes, with up to 300 watts maximum power output for the most demanding procedures.

Two Modes of Monopolar Coagulation

It also has two modes of coagulation: Coagulation (120 watts maximum power) and Fulguration (80 watts maximum power), plus Bipolar (80 watts maximum power).

Ten Presets

Save the surgeon's ten most common settings or settings for several different surgeons.

Digital Power Control

In addition, the Aaron 3250 delivers consistent, repeatable power into varying load impedances, with BovieFDFS™ (Fast Digital Feedback System). How fast? How about 5,000 times per second, or twenty times faster than the current industry leader. This feedback can greatly reduce the need for changing the power setting to obtain the desired surgical effect.

300 Watts to Meet Your Most Demanding Specs

You've been asking us to create a 300 watt generator for some time. We've been listening. The Aaron 3250 completes our generator line, which now runs from 30 watts all the way up to 300 watts for all your surgical needs.

Nearly every hospital specification on an electrosurgical generator calls for 300 watts of power. Now you can have real Bovie® generators at all stations.

Two Cut Modes and Ten Blend Settings...

You don't have to settle for one or two blend modes anymore. With Bovie digital technology, you can choose from two cut modes and ten different blend settings. These are clearly indicated by the LED blend indicator bar conveniently located adjacent to the blend button controls.

When one LED is lit the Aaron 3250 delivers a minimal hemeostatic effect. As the "up" button is pushed the bar begins to illuminate. As the illumination advances from the bottom to the top the degree of hemostasis will increase and cutting speed may decrease.

The Aaron 3250 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 Aaron 3250 is calibrated in watts with large, illuminated digital displays.

Coagulation Modes...

The Aaron 3250 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 Aaron 3250, as part of this combination, represents state-of-the-art design using the latest digital components. Bovie incorporated automatic safety systems into the Aaron 3250 like 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 Aaron 3250 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.

With the combination of isolated power output, its patented BovieNEM™, Bovie FCFS™ technology, and the constant digital monitoring of all functions, the Aaron 3250 is one of the safest electrosurgical systems available. The doctor's responsibility is simply to follow safe electrosurgical practices to insure his safety and the safety of the O.R. staff and patient.

Digital Error Detection...

Digital error detection means unsurpassed safety for the surgeon, O.R. staff, and patient. The Aaron 3250 constantly monitors every aspect of the Aaron 3250'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 Aaron 3250 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.

CE 0413 c ETL US

The Goal...

We wanted to give the surgeon a multipurpose electrosurgical generator for use in the modern operating room or surgi-center. It needed to feature 300 watts of cutting power with both monopolar and bipolar functions to satisfy all surgical demands with safety, flexibility, reliability, and convenience. This needed to be accomplished with today's economy in mind.

The Result...

The Aaron 3250 from Bovie.

The Aaron 3250 has ten blend settings plus two cut modes. When no LED is lit the unit is in "Pure Cut" mode. As the "up" arrow is pressed the LED's will begin lighting from bottom to top, increasing hemostasis and possibly slowing the cut effect.

Ten presets to store your doctor's favorite settings.

The Aaron 3250 has pad sensing technology, enabling the unit to discern whether the return electrode used is split or solid, and constantly monitors the circuit for tissue to pad contact. An alarm will sound in the event of a loss of contact.

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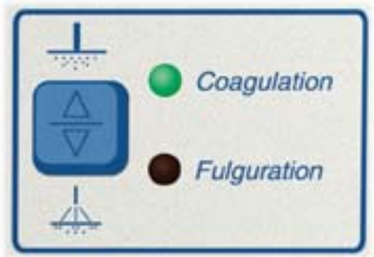

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Aaron Recommended Accessories...

ESP1 Cut & Coag Control, Disposable

BV-1254 Bipolar Footswitch

A1255A Adapter for Connecting Footswitching Pencil

ESREC Split Grounding Pad with 2.8M cable

A1253 Monopolar Footswitch

Electrodes of the physician's choice. (Blades, Balls, Needles, Loops)

BV-IDS-CS Mobile Stand with Smoke Evacuator Tray

ESMS-C Economy Mobile Stand with Smoke Evacuator Tray

Technical Specifications...

Dimensions:

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

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

Input Characteristics:

Line Voltage	100 – 240 VAC
Line Frequency	50 – 60 Hz

Input Current:
4.5 A~

Output Characteristics:

Monopolar	Output Power	Output Frequency	Rep Rate
Cut I	300 W @ 300 Ω	490 kHz ± 5 kHz	N/A
Cut II	300 W @ 300 Ω	490 kHz ± 5 kHz	N/A
Blend (Max)	200 W @ 300 Ω	490 kHz ± 5 kHz	30 kHz ± 5 kHz
Coagulation	120 W @ 500 Ω	490 kHz ± 5 kHz	30 kHz ± 5 kHz
Fulguration	80 W @ 500 Ω	490 kHz ± 5 kHz	25 kHz ± 5 kHz
Bipolar	80 W @ 150 Ω	490 kHz ± 5 kHz	30 kHz ± 5 kHz
Duty Cycle	10 S / 30 S		

Distributed by:

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