

# BION<sup>ESU</sup>

Redefining Electro Surgery



# Bionic Biomedical

## Salient Features:

- Sine Wave Output
- Char free performance with advanced power regulation
- High visibility displays
- Clearly laid out splash-proof Keypad
- Monopolar - Cut Blend and Coagulation
- Bipolar Coagulation
- Programmable settings for 99 procedures
- Non\_volatile memory for all settings
- Patient safety at the core of the design

## Application :

- ❖ General Surgery ❖ Laproscopy Surgery ❖ Gynaecology
- ❖ ENT ❖ Orthopaedic ❖ Urology

**BION<sup>ESU</sup>** offers unmatched flexibility and performance in Electrosurgery.

Manufactured in compliance to standards and practices, **BION<sup>ESU</sup>** has unique features that provide the much needed functionality at the Operating Room.

**BION<sup>ESU</sup>** series of Electro-surgical generators have been crafted with extreme care to aptly suit various major surgical procedures including TURP and specialty areas like ENT, Plastic Surgery, Gynaecology, etc.

Programmable modes give ready access to stored settings pre-assigned and customizable for various surgical modalities.

## Specifications

### General

Power Supply	230V AC + 10%, 50Hz	Fuse	3A Slow Blow
Dimensions	325mm X 300mm X 160mm		
Net Weight	8 Kg		
Output Frequency	500 Khz		
Modulation Frequency	20 Khz		
Certification	ISO-13485:2016, IEC 60601-1		

### Output Power

Mode	Watts	Load (ohms)
Pure Cut	400	400 $\Omega$
Blend1	350	400 $\Omega$
Blend2	300	400 $\Omega$
Blend3	250	400 $\Omega$
Monopolar Dessicate	300	400 $\Omega$
Monopolar Fulgurate	120	400 $\Omega$
Monopolar Spray	80	400 $\Omega$
Bipolar Macro	99	100 $\Omega$
Bipolar Micro	9.9	100 $\Omega$
Bipolar Cut	50	100 $\Omega$
Program Modes	99	

### Standard Accessories

- Monopolar Chuck handle with Electrode - 1 no.
- Bipolar forceps with cable - 1 no.
- Silicon patient pad with cable - 1 no.
- Double pedal foot switch - 1 no.
- Single pedal foot switch - 1 no.
- Disposable ESU Pencil - 1 no.
- Power Card - 1 no.

Specifications & Features subject to change without prior notice

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## Specifications

### General

Power Supply	230V AC + 10%, 50Hz	Fuse	3A Slow Blow
Dimensions	272mm x 230mm x 150mm		
Net Weight	6 Kg		
Output Frequency	500 Khz		
Modulation Frequency	20 Khz		
Certification	ISO-13485:2016, IEC 60601-1		

### Output Power

Mode	Watts	Load (ohms)
Pure Cut	300	400 $\Omega$
Blend	250	400 $\Omega$
Contact Coagulation	100	400 $\Omega$
Spray Coagulation	80	400 $\Omega$
Bipolar Coagulation	80	100 $\Omega$
Program Modes	4	

### Standard Accessories

- Monopolar Chuck handle with Electrode - 1 no.
- Bipolar forceps with cable - 1 no.
- Silicon patient pad with cable - 1 no.
- Double pedal foot switch - 1 no.
- Disposable ESU Pencil - 1 no.
- Power Card - 1 no.

Specifications & Features subject to change without prior notice