

LITE SERIES

A-LITE - Electro Surgical Generator



FEATURES & SPECIFICATIONS

- Miniature in nature and extremely Light Weight design makes it easy to Mobilize & Hand-Carry.
- It is Aesthetically designed with minimal & important features for small & general Surgeries.
- Advance multiple microcontroller based generator for Open and Laparoscopic Surgeries.
- Has Feather touch membrane keyboard for Power, Mode, Program & Footswitch Selection.
- Features 2 Monopolar and 1 Bipolar Sockets, for Hand Switch / Foot Pedal, without change over.
- User Friendly Interface facilitates easy program and modes selection with Seamless Operations.
- It is compatible with universal accessories used in Monopolar and Bipolar Surgical Applications.
- "Self-Test", diagnoses at every "START UP" for Generator's Healthiness & Operational Integrity.
- System restores previous activated power settings when encountered power interruptions.
- It is Compatible with ALAN's Wired and Wireless Footswitch, for smooth & convenient operation.
- Multiple cutting modes with varied regulated wattages for smooth and Precise Skin Incisions.
- It has Isolated Monopolar and Bipolar outputs, Eliminating the Frequent need for Switch Overs.
- Tissue monitoring technology measure Tissue Impedance & Dynamically varies the HF Output.
- HF power output can be adjusted using touch screen and handswitch pencil from sterile field.
- Automatically stops the power output and provides audio-visual indication during problem.
- HF current leakage monitoring & controlling system supervises and controls it less than 10 uA.
- PPCM feature monitors patient's contact quality and provides real-time graphical representation
- Supports ALAN's special Capacitive Patient Plate for maximum safety of the patients in surgeries.
- Convection Cooling System Engineering of the machine allows it to cool efficiently.
- No need of voltage stabilizer, it can work on lower voltage situations

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Monopolar Cut Modes:

Pure	: 400 W @ 300 Ohms	CF 1.5
Lapcut	: 300 W @ 300 Ohms	CF 1.5
Blend	: 250 W @ 300 Ohms	CF Variable
EndoCut	: 200 W @ 300 Ohms (9 levels)	CF Variable

Monopolar Coagulation Modes:

Spray	: 120 W @ 500 Ohms	CF 10
Fulgurate	: 150 W @ 500 Ohms	CF 7
Desiccate	: 200 W @ 500 Ohms	CF 5.5
Soft	: 120 W @ 150 Ohms	CF 1.5

Bipolar Coagulation Modes:

Cut	: 120 W @ 100 Ohms	CF 1.5
Force	: 100 W @ 100 Ohms	CF 1.5
Micro	: 100 W @ 100 Ohms	CF 1.5

Input Supply:

Input	: 88-265V AC, 50/60 Hz
Power Consumption	: 750VA Max
Input Fuse	: 5A T
Max. Power Output	: 400 Watts

Safety Standards

Basic Construction	: As per IEC 60601-1, IEC 60601-1-2 & IEC 60601-2-2
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Classifications

Protection Class	: I
Mdd. Class	: II b
Pollution degree Class	: II
Overvoltage category	: II
Class	
Unit Type	: CF
All Outputs	: Floating Output
Electrical Potential	: Indicated by Symbol
Balancing	
PER	: 98
Dimension	: 285mm (W) x 150mm (H) x 350mm (D)
Weight	: Maximum 4.2 Kg

Operating Parameters

Ambient temperature range	: +10° C to +40° C
Relative humidity	: 30% to 75% non-condensing
Atmospheric pressure	: 700 millibars to 1060 millibars

Transport and Storage

Ambient temperature range	: -30° C to +65° C
Relative humidity	: 0% to 90% non-condensing
Atmospheric pressure	: 500 millibars to 1060 millibars

Manufactured by:

ALAN ELECTRONIC SYSTEMS PVT. LTD.

Factory & Head Office:

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