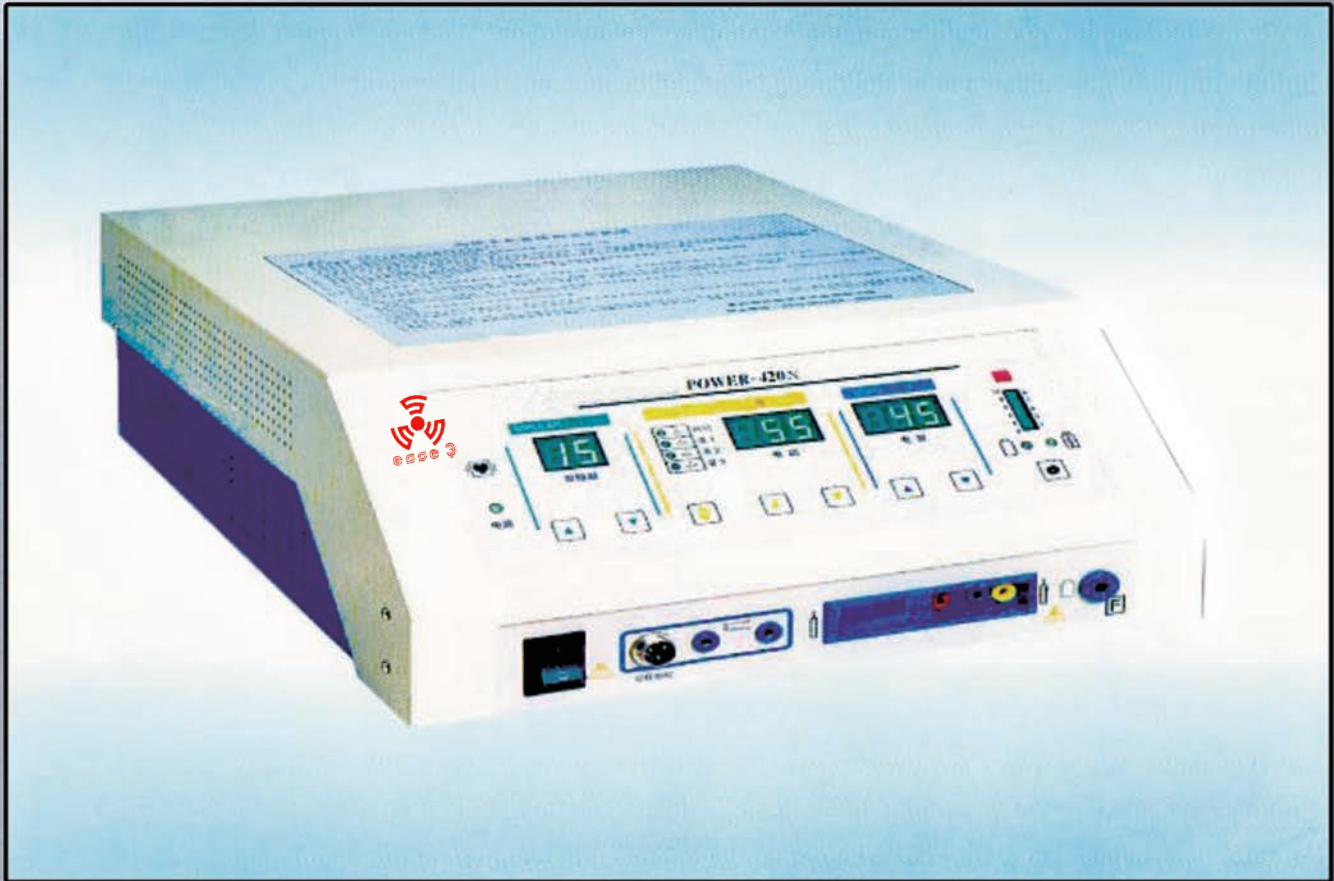


ESSE 3 Power 420X high frequency Electrotome

Germany Technology & Italian Design

(Monopolar and Bipolar Mode)



Power-420X type operation instrument is a high frequency electric knife of multi-function, which is controlled by dual CPU computer. It is characteristic of low voltage output is especially suitable for operations which require small heat injure and low charring extent, such as operations of plastic surgery, celoscope, hysteroscope, arthroscope electronic gastroscope and etc. And it can also widely used in operations of general surgery, orthopedics department, neurosurgery, cardiothoracic surgery and ect.



MAIN CHARACTERISTICS

- ★ Fully digital control: power output of the electric knife belongs to the type of closed loop amplitude adjustment.
- ★ Complete functions: monopole and bipole, wide application scope, from pediatrics operations, fine operations to large-scale operations. Its tender output characteristic is especially suitable for operations of celoscope, hysteroscope, arthroscope, electronic gastroscope and ect.
- ★ Electromagnetic compatibleness: accord with relevant standard
- ★ Electric cutting: four kinds of cutting modes: its characteristics of small heat injury and charring are especially suitable for fine operations of plastic surgery. E.N.T department, burn, scab cutting and etc.
- ★ Electric coagulation: adopt 4 μ s narrow working impulse of blood coagulation so that the blood coagulation is rapid and effective.
- ★ Control method: in respect of monopole, the output is controlled by double pedal water-proof switch. Adopt mechanical interlock method, the output of hand control knife can be controlled by both hand and foot, while the output of foot control knife is only controlled by foot. In respect of bipolar blood coagulation, the output is controlled by single pedal water-proof switch. In the operations it is not necessary to switch between monopole and bipolar mode.
- ★ Security Device: This instrument is equipped with quality type neutral pole plate monitor system, which is approved security by clinic application in the worldwide.
- ★ Power adaptability: the voltage of incoming lines changes between the scope of 220V \pm 22V, the change rate of power setting should be not larger than 5%.

MAIN TECHNICAL PARAMETER

- 1、 Instrument type: 1 Kind CF type ordinary instrument which prevents defibrillation.
- 2、 Working frequency: 512 KHZ
- 3、 High Frequency drain current \leq 100mA
- 4、 Output power:

Pure cut: 300W (500 Ω), dutyfactor 100%	Blend 1: 250W (500 Ω), dutyfactor 50%
Blend 2: 200W (500 Ω), dutyfactor 30%	Blend 3: 120W (500 Ω) , dutyfactor 19%
Coag: 120W (500 Ω), dutyfactor 12.5%	Bipolar coag: 50W(100)

- 5、 Working Method: Intermittent loading, continuous working, 10S/30S
- 6、 Power : 220V \pm 22V, 50Hz \pm 1Hz, max current \leq 3.2A
- 7、 Outer dimension: 450x355x175
- 8、 Net weight: mainframe 9 Kg, footswitch: 2.3KG
- 9、 Working condition: environment temperature 5-40 Degree, humidity \leq 80%

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