Specifications

Electrical Specification

1	Supply voltage	220V - 240V
2	Frequency	50/60 Hz
3	Power input during max. Electrosurgical output	500 VA
4	Fuse	T 6.3A / T 3A

Power output Specification

1	Maximum Cut (5MHz)	300 Watt at 2K Ohm
2	Maximum Coag (5MHz)	120 Watt at 2K Ohm
3	Maximum Blend (5MHz)	240 Watt at 2K Ohm
4	Maximum Bipolar (5MHz)	90 Watt at 2K Ohm

Special Function

1	Monopolar II (300KHz)	Out put power control of 5steps
2	Safety system	PPS (Patient Protection System)

Dimensions and weight

1	Width x Depth x Height	330 x 436 x 158 mm
2	Weight	15.5 Kg

Standards Specification

1	Classification acc. to the EC-Directive 93/42/EE	II b
2	Protection class acc. to EN 60601-1	Class I
3	Safety type acc. to EN 60601-1	BF

CE 0120

JEJOONG MEDICAL

Wonju Medical Equipment Complex 1-110, 1720-26 Taejang 2 dong, Wonjusi, Kangwondo, Korea
Tel. +82-33-747-5363, Fax. + 82-33-747-5364
www.jejoong-medical.com

For new innovation and safety

COVE

- Cutting
- Blend
- Coagulation
- Bipolar
- Spray

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Monopolar 1 Cut, Coag, Blend

Dual Frequency

Monopolar 2 Spray

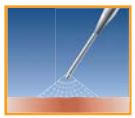
Unique Features of COVE

Time Control Function

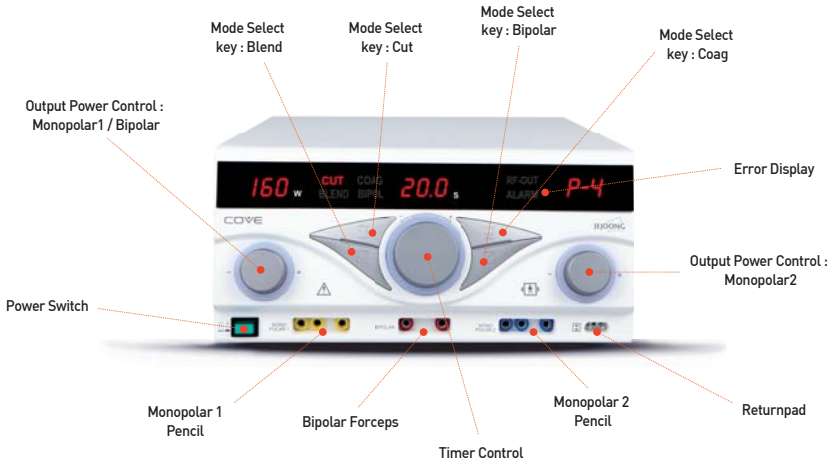
It has been adopted for precise operations and has the following advantages.

- Applicable at all modes (at Monopolar 1 mode)
- Comprehensive time duration adjustable in the range of 0.1 - 20 seconds
  - Applicable to various types of operations ranging from minute area surgery to hemorrhoidectomy
- Supply of optimal energy all the time, even at repetitive applications of energy

Spray Coagulation



- Adopt soft plasma technology
- Useful coagulation for wide bleeding area
- Output power controlled by 5 steps



True Dual Frequency

The combination Radio frequency and general ESU makes COVE be available for all medical fields.

Frequency of 5MHz

The adoption of a high-frequency, 5MHz has the following advantages.

- Generating sine waves as output waveform to minimize the formation of scars due to arcs during surgical operation
- Minimizing thermal damage to surrounding tissues through focusability, a property of high-frequency, having an effect of concentrating energy onto one spot

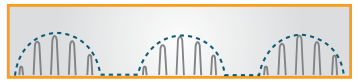
PPS (Patient Protection System)

- PPS applied to monopolar with micro pulse technology makes the returnpad burn eliminate by 500 times/sec contact monitoring system between patient and returnpad. If the contact condition is not good enough to safety level, PPS controls the output power automatically.

Safety

- Carrier wave

  It prevents carbonation resulting from arcs, attachment of tissues onto the surface of the electrode, the occurrence of secondary bleeding.



- COVE has the advantage of coagulation effect as follows.
  - There is no carbonation at tissues when they are coagulated.
  - The electrode does not generate heat so tissues do not stick to it even though a special electrode is not used.
  - Transmission of a minimum level of thermal energy at the time of tissue coagulation minimizes damage to tissues.