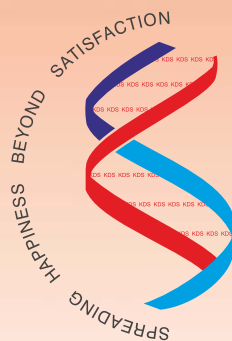


Shelarak 400 VS

Advanced programmable Microcontroller based
Electro-surgical Generator



K. D. SHELARAK
Medical Technologies

CE | ISO 9001 : 2015

Shelarak 400 VS TECHNICAL SPECIFICATION

POWER SPECIFICATION

CUT:	COAGULATION:	BIPOLAR:	BIPOLAR CUT:
Pure : 400W at 500 O Load	Soft Coag : 80W at 500 O Load	Soft Coag : 80W at 100 O Load	Bipolar Cut 1 : 150W at 500 O Load
Blend 1 : 250W at 500 O Load	Force : 120W at 500 O Load	Force Coag : 80W at 100 O Load	Bipolar Cut 2 : 150W at 500 O Load
Blend 2 : 200W at 500 O Load	Spray : 120W at 500 O Load		Bipolar Cut 3 : 150W at 500 O Load
ENDO : 150W at 500 O Load			

VESSEL SEAL: 100 O Load

Lower :	Standard :	Higher :
5 Level Auto off	5 Level Auto off	5 Level Auto off

BI-TUR : 500 O Load

CUT:	COAGULATION:
Pure : 400W at 500 O Load	Soft Coag : 80W at 500 O Load
Blend 1 : 250W at 500 O Load	Force : 120W at 500 O Load
Blend 2 : 200W at 500 O Load	
ENDO : 150W at 500 O Load	

OUTPUT WAVEFORMS

Monopolar Cut:

- a) Pure : 500 KHz, Pure Sinusoidal Waveform
- b) Blend 1 : 500 KHz, with modulated Sinusoidal Waveform
- c) Blend 2 : 500 KHz, pulse modulated Sinusoidal Waveform
- d) ENDO : 500 KHz, more modulated Sinusoidal Waveform

Monopolar Coag:

- a) Soft Coag : 500 KHz, damped Sine-shaped repeated at 22KHz
- b) Force Coag : 500 KHz, with modulated Sine Shaped waveform
- c) Spray : 500 KHz, pulse modulated repeated at 31KHz

Bipolar Cut:

- a) Bipolar Cut 1 : 500 KHz, Pure Sinusoidal Waveform
- b) Bipolar Cut 2 : 500 KHz, more modulated Sinusoidal Waveform
- c) Bipolar Cut 3 : 500 KHz, more modulated Sinusoidal Waveform

Bipolar:

- a) Bipolar Soft : 500 KHz, with modulated Sinusoidal Waveform
- b) Bipolar Force : 500 KHz, with modulated Sinusoidal Waveform
- c) Vessel Seal : 500 KHz, Pure Sinusoidal Waveform

LEAKAGE CURRENTS:

RF leakage current – Low frequency leakage currents
 Monopolar : < 150 mA rms Normal Polarity, Intact ground : < 10 μ A
 Bipolar : < 60 mA rms Normal Polarity, Ground : < 50 μ A

DESIGN STANDARD:

According to IEC 601-2-2 and IS 7583 safety & design standard.

WEIGHT: : 7 kg approx

DIMENSION : : L375mm X W350mm X H140mm

MAIN CONNECTION:

Input voltage : 160V-280V AC SMPS
 Input Current : 6Amp

FEATURES

1. Advanced 400W Microcontroller based Electrosurgical Generator.
2. Modes: Monopolar, Bipolar, Bi-TUR & Vessel Sealing.
3. Seals up to 7 mm vessels.
4. 20 User Programmable modes.
5. Programmed with self-rectification algorithm to prevent software errors.
6. Real time monitoring of Patient Plate, HF Leakage and RF activation for enhanced patient safety.
7. Patient Electrode Monitoring System (PEMS) enables proper patient plate contact, ensuring safety.
8. Galvanically isolated Monopolar & Bipolar Circuits to prevent spray currents, thus improving the quality of output waveforms.
9. Separate output generator for Monopolar, Bipolar, BI-TUR & Vessel Sealing.
10. Stores Last program memory.
11. In-built stabilizer ensure constant rated surgical power output even with an input voltage fluctuation.
12. Shelarak 400 VS is user friendly and have required safety features for the doctors and patients.
13. Shelarak 400 VS doesn't produce any sort of neuro muscular stimulation.

ACCESSORIES



K. D. SHELARAK
 Medical Technologies

108, Dom's Industrial Complex, Near Range Office, Vasai (E), Dist. Palghar - 401208.
 Tel. O : 7276 06 5500 | M : 9867 15 2287 | E : kdshelarak@gmail.com

Authorized Distributor

