

Excelling Through Excellence

Shalya easy+

With all Reusable Attachments



Complete range of
Electro Surgical Solutions



Electrosurgical Generator



Complete range of electro surgical solutions...

Technical Specifications of **Shalya easy+**

MONOPOLAR CUT : Pure Sine wave 390 kHz
Sp Cut- Programmable Pulse or continues output,
300 W at 300 Ω , CF 1.5
Pure - Continues output, 300 W at 300 Ω , CF 1.5
Blend - Bursts repeating at 29 kHz 55% ON cycle,
200 W at 300 Ω , CF 2.5

BIPOLAR : Pure Sine wave 390 kHz
Standard - Lower output voltage, 70 W at 100 Ω , CF 1.5
Micro - Lower output voltage, 70 W at 100 Ω , CF 1.5
Macro - Higher output voltage, 70 W at 100 Ω , CF 1.5

MONOPOLAR COAG : Damped Sine wave 460 kHz
Soft - Repetition Frequency 55 kHz, 120 W at 500 Ω , CF 5.0
Fulgurate - Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0
Randomized Spray - Randomized Repetition Frequency
25 kHz < f < 35 kHz, 120 W at 500 Ω , CF 8.3

DESIGN STANDARD

Classification according to the EC- Directive 93/ 42/ EEC: Class IIb
General Safety Standards: IEC 60601-1-1, IEC 60601-2-2
EMI/EMC Compatibility Standard: IEC 60601-1-2
IS Safety Standard: IS 7583

Note : Unit is available in other HF power ratings on request.

LEAKAGE CURRENTS

- RF leakage current
 - Monopolar : < 150 mA rms
 - Bipolar : < 60 mA rms
- Low Frequency leakage currents
 - Normal polarity, intact ground : < 10 μ A
 - Normal polarity, ground open : < 50 μ A

PREM SYSTEM

Measuring Frequency : 80 kHz $\pm$ 10 kHz.
Measuring current : < 10 μ A
Acceptable Resistance Range
Dual Area PREM Patient Return Electrode : 5-135 Ω (Adaptive)
Single Area Patient Return Electrode : < 10 Ω

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 6SENSE Technology with sampling rate above 4,00,000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

INPUT POWER (other ratings available on request)

Operating Voltage : 180-265 Volt AC, 50-60 Hz
Max. Power input : 1000 VA, Fuse : 6 A, UPS Backup : 1KVA

DIMENSIONS

L x W x H in cm - 39.8 x 31.5 x 12, Weight in kg < 5.0

Features of **Shalya easy+**

6SENSE Technology : Maintain set power over wider range of tissue by Tissue Feedback Technology.

Randomized SPRAY Coag : Homogeneous, superficial, faster Coagulation over larger area.

Self Diagnosis : Ensure the ESU with accessories are safe for functioning & display Error Codes if any.

Bipolar Cut : Macro mode can be used for bipolar cutting with hooks and other cutting devices.

Upgradability : Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, Suction Irrigation module.

User Programmable : TEN Surgical Programs help in setting the system after power ON.

PREM : Patient Return Electrode Monitoring gives an Alarm providing safety against the Return Electrode site burns.

Auto Bip Mode (Optional) : Auto start & stop of Bipolar modes without activation

BiCoag Alarm : Audio feedback after completion of Bipolar Coag, reduces charring and sticking.

Pulse/Endo Cut (Optional) : Tissue feedback Pulse Interval controlled Pulse Cut for Polypectomy & Papillotomy.

Soft / Desiccate Coag : Faster cutting with coagulation for thicker tissues & soft coagulation.

Remote Power Settings (Optional) : Change mode and power from sterile field by normal Handswitch Pencil.

Foot Switches / Pedals : Explosion Proof (Fire Resistance) and Water Proof Foot Pedals

Time Out Function (Optional) : Automatically stops the HF output if prolong unintended activation.

Surgical Applications : Useful for wide range of surgical application as : Plastic, Neuro, ENT, Spine, Ophthal, Laparo Surgery, Endo, GI, Ortho, Open & General Surgery, Onco, Gynecology, Hernia, GI Endocut, Papillotomy, Polypectomy, Under Water, Urology, Gynec TCRC, Hysteroscopy, Thoracotomy, Thoracic and Cardiac Surgery. Unit is suitable for all kind of Open, Endoscopic, Laparoscopic and Minimally Invasive Surgery

Shalya Extended Range



Shalya Vista



Shalya TURoSeal

XcellLance Medical Technologies Pvt. Ltd.

Shalya Avenue, W-239, Rabale MIDC, Navi Mumbai - 400 701. INDIA ☎: +91-22-7114 2400

Add Hi-Tech Precision to your Surgical Expertise...

Excelling Through Excellence

Shalya Sigma

4th Generation 400W ESU



Complete range of
Electro Surgical Solutions

Technical Specifications of **Shalya Sigma** 400W Electrosurgery Unit

MONOPOLAR CUT : Pure Sine wave 390 kHz
Low - Continues, 300 W at 300 Ω , CF 1.5, Low Volt
Pure - Continues, 400 W at 300 Ω , CF 1.5, High Volt
Blend - Bursts 29 kHz, 50%, 250 W at 300 Ω , CF 2.5
Endo Cut - Pulse, 400 W at 300 Ω , CF 1.5

BIPOLAR CUT : Pure Sine wave 390 kHz
Macro - Precise bipolar cutting with hemostasis, 100 W at 100 Ω , CF 1.5
BiCut - High voltage clean bipolar cutting, 100 W at 100 Ω , CF 1.5

LEAKAGE CURRENTS

- RF leakage current • Monopolar : < 150 mA rms
- Bipolar : < 60 mA rms
- Low Frequency leakage currents
 - Normal polarity, intact ground : < 10 μ A
 - Normal polarity, ground open : < 50 μ A

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 6SENSE Technology with sampling rate above 4,00,000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

INPUT POWER (other ratings available on request)
Operating Voltage : 180-265 Volt AC, 50-60 Hz
Max. Power input : 1000 VA, Fuse : 6 A, UPS Backup : 1.2KVA

MONOPOLAR COAG : Damped Sine wave 460 kHz
Soft - Continues at 83 kHz, 150 W at 500 Ω , CF 3.9,
Swift - Repetition Frequency 36 kHz, 120 W at 500 Ω , CF 6.0
Fulgurate - Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0
Spray - Randomized Repetition 25 kHz < f < 35kHz, 120W at 500 Ω , CF 8.3

BIPOLAR COAG : Pure Sine wave 390 kHz
Micro - Lower voltage, 100 W at 100 Ω , CF 1.5
Standard - Medium voltage, 100 W at 100 Ω , CF 1.5
Force - Higher voltage, 100 W at 100 Ω , CF 1.5

PREM SYSTEM
Measuring Frequency : 80 kHz $\pm$ 10 kHz.
Measuring current : < 10 μ A
Acceptable Resistance Range
Dual Area PREM Patient Return Electrode : 5-135 Ω (Adaptive)
Single Area Patient Return Electrode : < 10 Ω

DESIGN STANDARD
Classification according to the EC- Directive 93/ 42/ EEC: Class IIb
General Safety Standards: IEC 60601-1-1, IEC 60601-2-2
EMI/EMC Compatibility Standard: IEC 60601-1-2
IS Safety Standard: IS 7583

DIMENSIONS
L x W x H in cm - 38 x 31 x 12, Weight in kg < 6

Note : Unit is available in other HF power ratings on request.

Features of **Shalya Sigma** 400W Electrosurgery Unit

- 5" LCD Touch Screen :** Allows quick, easy & interactive experience to users.
 - 6SENSE Technology :** Maintains set power over wider range of tissue by Tissue Feedback Technology.
 - PREM :** Patient Return Electrode Monitoring provides safety against the patient return electrode site burns.
 - Endo Cut Mode :** Allows pulse interval controlled cutting for Polypectomy and Papillotomy.
 - Randomized SPRAY Coag :** Provides homogeneous, superficial & faster coagulation over larger area.
 - Bipolar Cut & Coag modes :** Independent display setting using its respective footswitch.
 - BiCoag Alarm :** Audio feedback after completion of Bipolar coag, reduces charring and sticking.
 - AutoBip (Optional) :** Automatic Start & Stop of Bipolar current by tissue sensing without foot switch activation.
 - Footswitch :** Enhanced with a toggle button to switch between modes along with on-screen indication.
- Unit also supports **wireless** footswitch (upgradable) for clean & surgical environment.
- Smart Surgical Assist :** The program manager allows smart access to programs & settings.
 - Self-illuminating socket :** Helps during power settings and RF activation to indicate use of respective RF port.
 - Self Diagnosis :** Ensures the ESU with accessories are safe for functioning & display error codes if any.
 - User Programmable :** 20 user settable programs with procedure & surgeon name.
 - Remote Power Settings (Optional) :** To change mode and power from sterile field by normal Handswitch Pencil.
 - Time Out Function (Optional) :** Automatically stops the HF output incase of prolonged activation.
 - Upgradability :** Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, Suction Irrigation module.
 - Surgical Applications :** Useful for wide range of surgical application as : Plastic, Neuro, ENT, Spine, Ophthal, Laparo Surgery, Ortho, Open & General Surgery, Pediatric, Onco, Gynecology, Hernia, GI Endocut, Papillotomy, Polypectomy, Under Water, Urology, Gynec, TCRE, Hysteroscopy, Thoracotomy, Thoracic and Cardiac Surgery.
- Unit is suitable for all kind of Open, Endoscopic, Laparoscopic and Minimally Invasive Surgery.

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Shalya Avenue, W-239, Rabale MIDC, Navi Mumbai - 400 701. INDIA ☎: +91-22-7114 2400

✉ info@shalya.in

Shalya Extended Range



Shalya Vista



Shalya MX



www.shalya.in

Add Hi-Tech Precision to your Surgical Expertise..

Why

Require Blade when
RF can cut the Tissue...

Shalya Vista



Electrosurgical Generator

CE
1639

Vista with **RFaST**

Radio Frequency ablations Scalpel Technology

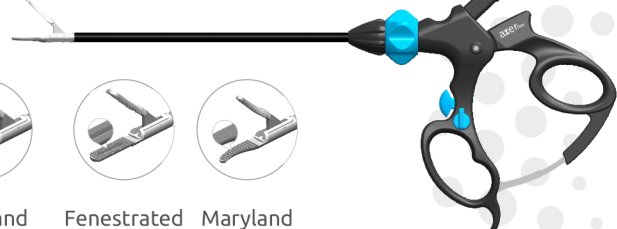
Shalya range of Reusable Instruments

Without Button - H008
With Button - H011

axer[®] max

axer[®] flexb

Without Spring - H001
With Spring - H002
With Ratchet - H005



Round
Maryland

Triangular
Maryland

Maryland
Sealer

Fenestrated
Grasper

Maryland
Grasper



RFaST



Sealing



Bipolar

Cost Effective as Reusable Instruments. | No need of Changing Instruments during procedure. | Fast & Seamless Surgical Experience.

Technical Specifications of Shalya Vista

MONOPOLAR CUT : SEVEN Modes : 390 kHz

Low Cut : Continuous output, 300 W at 300 Ω , CF 1.5, Low Volt
Pure Cut : Continuous output, 400 W at 300 Ω , CF 1.5
Blend1 : Bursts at 29 kHz, 65% ON cycle, 250 W at 300 Ω , CF 2
Blend2 : Bursts at 31 kHz, 55% ON cycle, 200 W at 300 Ω , CF 2.5
Endo1 : Pulse output, 400 W at 300 Ω , CF 1.5, Low Pulse Intr.
Endo2 : Pulse output, 400 W at 300 Ω , CF 1.5, High Pulse Intr.
Hydro : Continuous output, 400 W at 300 Ω , CF 1.5, Rapid

BIPOLAR : FIVE Modes

Bipolar Cut Modes: 440 kHz
Bip Cut : Continues output, 120 W at 100 Ω , CF 1.5, High Volt, Rapid
Macro Cut : Continues output, 120 W at 100 Ω , CF 1.5, High Volt
Smart Cut : Pulse output, 5 Levels, 140 W at 100 Ω , CF 1.5, Low voltage
Bipolar Coag Modes: 440 kHz
Micro : Continues output, 120 W at 100 Ω , CF 1.5, Low Volt
Standard : Continues output, 120 W at 100 Ω , CF 1.5, Medium Volt
Force : Continues output, 120 W at 100 Ω , CF 1.5, High Volt

VESSEL SEALING : TWO Modes : 440 kHz

Fine Seal : Pulse output, 5 Levels, 150 W at 100 Ω , CF 1.5
Rapid Seal : Smart Continues output, 5 Levels, 150 W at 100 Ω , CF 1.5

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 6SENSE Technology with sampling rate above 4,00,000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

PREM SYSTEM

Measuring Frequency : 80kHz $\pm$ 10kHz, Measuring Current : <10 μ A
Resistance Range : Dual Area :5-135 Ω (Adaptive), Single Area : <10 Ω

LEAKAGE CURRENTS

- RF leakage current •Monopolar : < 150 mA rms
- Bipolar : < 60 mA rms
- Low Frequency leakage currents
- Normal polarity, intact ground : < 10 μ A
- Normal polarity, ground open : < 50 μ A

MONOPOLAR COAG : SEVEN Modes : 460 kHz

Soft : Continuous output, 300 W at 300 Ω , CF 1.5, Low Volt
Dessicate : Repetition Frequency 83 kHz, 200 W at 500 Ω , CF 4.0
Swift : Repetition Frequency 55 kHz, 120 W at 500 Ω , CF 5.0
Fulgurate : Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0
Randomized Spray : Randomized Repetition Frequency 23 < f < 35kHz, 120 W at 500 Ω , CF 8.0
Hi-Spray : Repetition Frequency 13 kHz, 70 W at 500 Ω , CF 10.0
Hydro : Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0, Rapid

SALINE RESECTION MODE : SIX Modes

Saline Cut Modes: 390kHz
Cut I : Continues output 300 W at 100 Ω , CF 1.5, Low Voltage
Cut II : Continues output 300 W at 100 Ω , CF 1.5, Medium Voltage
Cut III : Continues output 300 W at 100 Ω , CF 1.5, High Voltage
Saline Coag Modes: 440kHz
Soft: Continues output 200 W at 100 Ω , CF 1.5, Low Voltage
Standard: Continues output 200 W at 100 Ω , CF 1.5, Medium Voltage
Force: Continues output 200 W at 100 Ω , CF 1.5, High Voltage

RF Scalpel Mode : Sinusoidal Radio Frequency Output

Smart Cut : Pulse output, 5 Levels, 140 W at 100 Ω , CF 1.5, Low voltage
Sharp Cut : Pulse output, 5 Levels, 140 W at 100 Ω , CF 1.5, High voltage
Smart Coag : Pulse output, 5 Levels, 50 W at 100 Ω , CF 1.5, Low voltage
Sharp Coag : Pulse output, 5 Levels, 50 W at 100 Ω , CF 1.5, High voltage

INPUT POWER (other ratings available on request)

Operating Voltage : 180-265 Volt AC, 50-60 Hz
Max. Power input : 1000 VA, Fuse : 6 A, UPS Backup : 1.5KVA

DIMENSIONS

L x W x H in cm - 42.5 x 35.5 x 15.5, Weight in kg < 8.5

DESIGN STANDARD : Classification according to the EC-Directive 93/42/ EEC: Class IIb, Class C under IMDR 2017.

COMPLIANCE SAFETY STANDARD : IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-2, IS 7583, ISO 14971, IEC 62304 & EU MDR Article 83 & IMDR Guidelines.

Note : Unit is available in other HF power ratings on request.

For detailed sterilization and disposal instructions, refer to the Instructions for Use (IFU).

UDI No: 8904428110360

Features of Shalya Vista VSE

LCD Touch Screen : Allows quick, easy & interactive experience to users.

6SENSE Technology : Maintain set power over wider range of tissue by Tissue Feedback Technology.

PREM : Patient Return Electrode Monitoring gives an Alarm providing safety against the Return Electrode site burns.

Vessel Sealing : Vessel Sealing up to **7mm of blood vessel & tissue bundles** with audio indication at completion or alarm if improper sealing.

Saline Resection Mode : Saline Plasma Bipolar Cut & Coag with Non Saline activation Alarm.

RF Scalpel Mode : Bipolar Cut/Coag of Tissue by axer max hand activated Bipolar Scalpel.

Current Indicator : Current indicator has 10 different levels (Level-1 to Level 10) to display the actual tissue current during RFast activation.

Single Instrument Function : Sealing & RF Cut/Coag can be done by hand activated single instrument.

Auto Bip Mode : Auto start & stop of Bipolar modes without activation.

BiCoag Alarm : Audio feedback after completion of Bipolar Coagulation to reduces charring and sticking.

2 Pulse/Endo Cut Mode : Tissue feedback Pulse Interval controlled Pulse Cut for Polypectomy & Papillotomy.

Remote Power Settings (Optional) : Change mode and power from sterile field by normal Handswitch Pencil.

Time Out function (Optional) : Automatic stoppages of HF output on prolong unintended activation.

User Programmable : 100 user settable programs with case names helps in setting the system.

Recall Function : Recall function calls up the previously used settings.

Self-test : During the Power On, device perform the self-test to detects faults and errors.

Upgradability : Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, Irrigation module.

Footswitch : Enhanced with a toggle button to switch between modes along with on-screen indication.

Unit also supports **wireless** footswitch (upgradable) for clean & surgical environment.

Self-illuminating socket : Helps during power settings and RF activation to indicate use of respective RF port.

Surgical Applications : Useful for wide range of surgical application as : Open & General Surgery, Laparo Surgery, Gynecology, Plastic, Urology, Neuro, Cardiac, ENT, Spine, Opthal, GI, Ortho, Onco, Under Water.

Xcellance Medical Technologies Pvt. Ltd.

Shalya Avenue, Plot No. W-237, W-238(A), W-239, T.T.C. Industrial Area, M.I.D.C., Rabale - 400701, Navi Mumbai, Maharashtra, India. ☎:+91-22-7114 2400

Shalya Extended Range

