



Shalya®

Touching Lives by Innovation

Excelling Through Excellence

Shalya LX

With all Reusable Attachments



Complete range of
Electro Surgical Solutions



Electrosurgical Generator

CE
1639





Technical Specifications of Shalya LX

MONOPOLAR CUT : Pure Sinus wave 500 kHz

- Up Cut - Programmable Pulse or coagulation output
- 200 W at 300 Ω, CF 1.1
- Pure - Continuous output, 200 W at 300 Ω, CF 1.1
- Wave - Switch operating at 100 kHz 50% duty cycle
- 100 W at 300 Ω, CF 1.1

BIPOLAR : Pure Sinus wave 500 kHz

- Phase - Lower output voltage, 50 W at 100 Ω, CF 1.5
- Phase - Higher output voltage, 50 W at 100 Ω, CF 1.1

BIPOPOLAR COAG : Damped Sinus wave 450 kHz

- Soft - Repetition Frequency 80 Hz, 80 W at 100 Ω, CF 1.0
- Support - Repetition Frequency 24 Hz, 80 W at 100 Ω, CF 1.0
- Randomized Cycle - Randomized Repetition Frequency
- 30 Hz x 1 + 10 Hz, 80 W at 100 Ω, CF 1.0

DESIGN STANDARDS

- Classification according to the IEC: Descriptive: (C) / SEC: Class III
- General safety standards: IEC 60601-1-1, IEC 60601-1-2
- EMC/RFI Compliance standards: IEC 60904-1-2
- IE Safety Standard: IEC 61010

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

LEAKAGE CURRENTS

- RF leakage current :
 - Monopolar : < 250 mA rms
 - Bipolar : < 60 mA rms
- Line frequency leakage current :
 - Neutral polarity short circuit : < 10 μA
 - Neutral polarity ground open : < 30 μA

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 60 kHz Technology with varying rate above 400000 cycles/second
- Maximum output power deviation : ±15% or 5 watts whichever is greater of any setting with PR 98

RF SYSTEM

- Operating Frequency : 30-500 ± 10 kHz
- Measuring current : < 10 μA
- Acceptable Resistance Range :
 - Dual Area PWR Station Power Electrode : 5-25 Ω (Relative)
 - Single Area Patient Return Electrode : > 30 Ω

INPUT POWER : Galvanically isolated on input.

- Operating Voltage : 180-265 VAC, 50-60 Hz
- Max Power Input : 3000 VA, Fuse : 5 A, IEC Standard : 100 W

DIMENSIONS

- 1xW x H x D (mm) : 318 x 113 x 222 Weight in kg : 5.0

Features of Shalya LX

EXTREME Technology : Maximum power over wide range of loads by True Feedback Technology

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

Self Diagnostic : Ensure the Unit will automatically set safe for functioning & display Error Codes if any

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

Upgradeability : Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, Tactile Argon Beam Module

PRFM - Instant Return Electrode Monitoring gives an Alarm providing safety against the Return Electrode site burn.

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

Remote Power Settings : Change mode and power from remote hand held by normal Handheld's Panel

Soft/Discontinue Coag : Faster cutting with coagulation by faster down & soft coagulation

Foot Switches / Pedals : Extension Proof (for Resistance) and Wake Proof Foot Pedals

Time Out Function (Optional) : Automatically stops the HF output if probing unattended activation.

Surgical Applications : Used for wide range of surgical applications as Plastic, Neuro, ENT, Gynae, Urology, Laparoscopic, Bariatric, GI, Otho, Open & General Surgery, Cardio, Gynecology, Hernia,

GI Endoscopy, Pulmonary, Polyostomy, Urology, Urology, Gynec, Urology, Gynecology, Thoracotomy,

Thyroid and Cardiac Surgery. Unit is suitable for all kind of Open, Endoscopic, Laparoscopic and Minimally Invasive Surgery.

Invasive Surgery

Shalya Extended Range



Shalya White



Shalya Turbocut