



The Valleylab Force 1B is a high power ESU that possesses high-performance capabilities in a multipurpose generator. It provides full flexibility through varying degrees of homeostasis.

Features

- Monopolar and Bipolar Outputs
- Audible and Visual Arms, including REM(TM) Fault Indicator
- REM(TM) (Return Electrode Monitoring) (Standard)
- 300 Watts Output - Cut, 120 Watts - Coagulation, 70 watts - Biopolar



Specifications

Dimensions

Height: 8 in (15 cm)
Width: 11 in (28 cm)
Length: 17 in (3 cm)
Weight: 15 lbs (6.4 kg)

Output Characteristics

Cut: 2400 Max (open circuit) P-P Voltage, 300 Rated Load ohms, 200 Nominal Power at rated load watts, 1.8 @ 100 W Crest Factor at rated load typical
Blend 1: 2800 Max (open circuit) P-P Voltage, 300 Rated Load ohms, 175 Nominal Power at rated load watts, 2.7 @ 100 W Crest Factor at rated load typical
Blend 2: 3200 Max (open circuit) P-P Voltage, 300 Rated Load ohms, 150 Nominal Power at rated load watts, 3.3 @ 100 W Crest Factor at rated load typical

Output Waveform

Cut: 500 kHz Sinusoid
Blend 1: 500 kHz bursts, 50% Duty Cycle, 31 kHz Recurrence
Blend 2: 500 kHz bursts, 37.5% Duty Cycle, 31 kHz Recurrence
Blend 3: 500 kHz bursts, 25% Duty Cycle, 31 kHz Recurrence
Coag: 500 kHz bursts, 31 kHz Recurrence
Bipolar: 500 kHz bursts, Unmodulated Recurrence

Low Frequency Leakage (50 / 60 Hz)

Normal polarity: intact chassis ground: < 10 mA, ground open; < 100 mA
Reverse polarity: ground open: < 100 mA. Sink current, 140V applied, all inputs; < 150 mA. Chassis source current, ground open; < 110 mA

Input Power Source

Nominal input line voltage is 120 VAC with a full range of 85-135 VAC.
Frequency line varies from 45 to 65 Hz
Idle: 0.5 A (Max. Current), 60 W (Max. Power)
Cut: 5.0 A (Max. Current), 600 W (Max. Power)
Coag: 3.0 A (Max. Current), 300 W (Max. Power)
Bipolar: 1.5 A (Max. Current), 180 W (Max. Power)