

The power you need, at an affordable price point

The DRE Citadel 180 is an ideal choice for facilities who want a budget-friendly electrosurgical unit without sacrificing features. By offering 180 watts of power, instead of the standard and often unnecessary 300, the DRE Citadel 180 is available at a value in today's market. Often, 180 watts is more than enough power for procedures in Plastic Surgery, Endoscopy, Laparoscopy, Gynecology, Dermatology, ENT, Ophthalmology and Urology.

Clinicians using the DRE Citadel 180 can easily operate in both monopolar and bipolar modes, with a variety of settings to suit each unique procedure. The DRE Citadel 180 also runs self-diagnostic checks to verify the unit and its accessories are in working order.

The DRE Citadel 180 Electrosurgical Unit is available with an optional safety timeout function, argon beam coagulation, a smoke evacuator and a suction irrigation module.

Features:

- Stable, 180-watt power supply with unique tissue feedback technology maintains set power over a wide range of tissue types.
- Patient return electrode monitor increases patient safety by preventing electrode site burns.
- Self-diagnostic protocols help to ensure all parts and accessories are properly functioning.
- Spray coagulation function provides homogenous, efficient coagulation over a large area.
- Soft / Desiccate Coagulation setting allows for faster cutting with coag, ideal for thicker tissues.
- Monopolar and bipolar capable with the appropriate accessories.
- Efficiently Navigate through various surgical modes with the easily-programmable user interface.
- Durable, waterproof pedals.
- Optional — Remote power settings allow operators to change mode and power settings from the sterile field.
- Optional — Timeout function automatically stops the HF output in the event of an unintended activation.
- Optional — Argon beam coagulation, ultrasonic aspirator, smoke evacuator, suction irrigation module.



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Specifications:

Dimensions:

- Length: 15 in (38 cm)
- Width: 12 in (30.5 cm)
- Height: 4.5 in (11.5 cm)
- Weight: < 11 lbs (5 kg)

Power:

- Operating Voltage: 180-265 V AC
- Max Power input: 1000 VA
- Fuse: 4 A
- UPS Backup: 1KVA
- Monopolar Autocut: Pure Sine wave 390 kHz
 - » Sp Cut - Programmable Pulse or continues output, 200 W at 300 Ω , CF 1.5
 - » Pure - Continues output, 200 W at 300 Ω , CF 1.5
 - » Blend - Bursts repeating at 29 kHz 55% ON cycle, 120 W at 300 Ω , CF 2.5
- Bipolar: Pure Sine wave 390 kHz
 - » Micro - Lower output voltage, 50 W at 110 Ω , CF 1.5
 - » Macro - Higher output voltage, 50 W at 100 Ω , CF 1.5
- Monopolar Coag: Damped Sine wave 460 kHz
 - » Soft - Repetition Frequency 62 kHz, 80 W at 500 Ω , CF 5.0
 - » Fulgurate - Repetition Frequency 34 kHz, 80 W at 500 Ω , CF 7.0
 - » Spray - Randomized Repetition Frequency 34 kHz < f < 50 kHz, 80 W at 500 Ω , CF 8.0
- » 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 4000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

PREM system:

- Measuring frequency: 85 kHz \pm 10 kHz
- Measuring current: < 10 μ A
- Acceptable resistance range: Dual Area PREM Patient Return Electrode: 10-135 Ω , Single Area Patient Return Electrode: < 10 Ω



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