Eon^{C} Primary Cell IPG

Eon*C*™—St. Jude Medical's first extended-life, constant current primary cell IPG[a]—is designed to reduce the number of battery replacement surgeries and provide consistent, low-maintenance therapy.

	ANS Eon*C*	Medtronic PrimeADVANCED	Boston Scientific
Battery type	Non-rechargeable	Non-rechargeable	No primary cell neurostimulator available
Contacts	16	16	
Volume	49 cc	39 cc	
Battery capacity	**8.9 Ahr**	6.3 Ahr	
Maximum recommended implant depth	4.0 cm	4.0 cm	
Current delivery	**Constant current***	Constant voltage	
Discharge modes	**Passive; Active 1:4 and 1:2[b]**	Passive	
Amplitude	**0-25.5 mA**	0–10.5 V	
Pulse width	**50-500 µs**	60–450 µs	
Frequency	**2–1200 Hz**	2–130 Hz	
Maximum sustainable frequency	**1200 Hz for 1 stim set** **600 Hz for 2 stim sets** **300 Hz for 4 stim sets** **200 Hz for 6 stim sets** **150 Hz for 8 stim sets**	130 Hz for 1 stim set 130 Hz for 2 stim sets 65 Hz for 4 stim sets	
Longevity at average settings[c]	**7.0 yrs**	4.0 yrs	

The Eon*C* IPG is best in class.

a Extended-life primary cell IPGs contain non-rechargeable batteries that use NeuroDynamix™ technology to increase battery longevity.
b Enables frequencies up to 1200 Hz
c Average parameters: 6.7 mA, 260 µs, and 50 Hz at 750 ohms

* Eon*C* IPG is the only constant current primary cell IPG.

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MORE CONTROL. LESS RISK.

Chart sources
1. Medtronic, Inc. *Medtronic PrimeADVANCED Implant Manual.* Minneapolis, Minn.; 2006.
2. Advanced Neuromodulation Systems. Bench test data, lab notebook 2110. Plano, Tex.
3. Advanced Neuromodulation Systems. Bench test data, lab notebook 2014. Plano, Tex.
4. Advanced Neuromodulation Systems. Bench test data, lab notebook 2092. Plano, Tex.

ATRIAL FIBRILLATION CARDIAC RHYTHM MANAGEMENT CARDIAC SURGERY CARDIOLOGY NEUROMODULATION

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Indications for Use: Chronic, intractable pain of the trunk and limbs. **Contraindications:** Demand-type cardiac pacemakers, patients who are unable to operate the system or who fail to receive effective pain relief during trial stimulation. **Warnings/Precautions:** Diathermy therapy, cardioverter defibrillators, magnetic resonance imaging (MRI), explosive or flammable gases, theft detectors and metal screening devices, lead movement, operation of machinery and equipment, postural changes, pediatric use, pregnancy, and case damage. Patients who are poor surgical risks, with multiple illnesses, or with active general infections should not be implanted. **Adverse Events:** Painful stimulation, loss of pain relief, surgical risks (e.g., paralysis). Clinician's manual must be reviewed prior to use for detailed disclosure. **Caution:** U.S. federal law restricts this device to sale and use by or on the order of a physician.

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