Eon Mini Rechargeable IPG

The feature-filled Eon Mini™ IPG–the smallest IPG on the market and the longest-lasting in its class–offers a powerful combination of size and performance to meet evolving pain management needs.[1-4]

	ANS Eon Mini	Medtronic RestoreULTRA	Boston Scientific Precision
Volume	**18 cc**	22 cc	22 cc
Weight	**29 g**	45 g	33 g
Battery life approval	**10 years, open-ended**[a]	9-year end-of-life[b]	5 years, open-ended
Battery life approval settings	**High**	Medium	Medium
Current delivery	Constant current	Constant voltage	Constant current
Charging system	Mobile	Mobile	Mobile
Charging coil type	Internal	Internal	Internal
Maximum recommended implant depth	**2.5 cm**	1.0 cm	2.0 cm
Contacts	16	16	16
Amplitude	**0-25.5 mA**	0-10.5 V	0-12.7 mA[c]
Pulse width	50-500 µs	60-1000 µs	20-1000 µs
Frequency	2-1200 Hz	2-1200 Hz	2-1200 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**	1200 Hz for 1 Stim Set 600 Hz for 2 Stim Sets 300 Hz for 4 Stim Sets	1200 Hz for 1 stim set 130 Hz for 2 stim sets 80 Hz for 4 stim sets
Maximum amplitude with single cathode at 524 ohms	**24.7 mA**	21.8 mA	12.7 mA
Recharge interval	**Days between necessary recharges**		
Low (3 mA, 200 µs, 40 Hz)	**121**	54	61
Medium (6.5 mA, 225 µs, 70 Hz)	**22**	19	20
High (8.6 mA, 238 µs, 160 Hz)	6	6	6

The Eon Mini IPG is best in class.

a At least 24 hours between recharges at 10 years at high settings
b Circuitry renders the device inoperable after 9 years
c 20 mA is possible if using more than one cathode

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References

1. Advanced Neuromodulation Systems. *Eon Mini™ Neurostimulation System Clinician's Manual.* Plano, Tex.; 2008.
2. Boston Scientific. *Physician Implant Manual: Implantable Pulse Generator Model SC1100.* Valencia, Calif.; 2004.
3. Boston Scientific. Precision IPG [brochure]. Valencia, Calif.; 2007.
4. Medtronic. *RestoreULTRA Multi-Program Rechargeable Neurostimulator Implant Manual.* Minneapolis, Minn.; 2007.

Chart sources

1. Advanced Neuromodulation Systems. *Eon Mini™ Neurostimulation System Clinician's Manual.* Plano, Tex.; 2008.
2. Advanced Neuromodulation Systems. Bench test data, lab notebook 2014. Plano, Tex.
3. Advanced Neuromodulation Systems. Bench test data, lab notebook 2093. Plano, Tex.
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9. Medtronic. *RestoreULTRA Multi-program Rechargeable Neurostimulator Implant Manual.* Minneapolis, Minn.; 2008.
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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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