The PowerShell™

Totally integrated battery power to-go.

The optional PowerShell™ accessory is a completely integrated cpap battery solution that delivers a full night's sleep on a single charge. No cords required.



Battery Specifications	
Battery capacity	45 Wh
Operating temperature	5°-35°C (41°-95°F)

Modular Batteries

Need 3 nights of off-the-grid power? Buy 3 battery modules. Boom. Have fun.



HDM HUMAN DESIGN MEDICAL

Lifestyle medical devices™. Designed for humans.™

BREAS

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Breas Medical AB/2015/MAR-1112-v.2.0

Nitelog™ Mobile App

NEW

Exclusively for the Z1™ Auto

Interested in your sleep data? Download the Nitelog™ app from the iTunes App Store® and have all of your sleep data available at your fingertips. Nitelog uses the Z1™ Auto's built-in Bluetooth chip to sync your data wirelessly so it is very simple to set up and use. Nitelog also enables sharing by email so that you can easily send your data to your doctor.

Available on the iPhone App Store

Bluetooth™

www.hdminternational.com



Z1™ auto

Customized breathing. Designed for you.



Z1™ auto

Customized breathing. Designed for you.

Do you have a problem with the constant pressure of fixed cpap? Meet the new Z1™ Auto. With its proprietary breathing algorithm– and sampling rate of several times per second– the Z1™ Auto delivers extremely responsive and effective therapy at lower overall pressures than fixed-pressure cpap. The result is more responsive therapy, a natural breathing pattern, and a more comfortable experience.

Get maximum comfort every night, whether you are at home or in a tent in the middle of no-where. The Z1™ Auto is designed for you.

Z1™ Auto Technical Specification

CPAP- Operating pressure range	4 to 20 H_2O
APAP- Operating pressure range	4 to 20 H_2O
Ramp Start Pressure	Min: 4 / Max: 20 cm H_2O
Ramp Time	Min: 0 / Max: 45 minutes
Maximum single fault steady pressure state	30 cm H_2O
Deliverable pressure accuracies	±0.6 cm H_2O ± 4% of the measured reading
Sound pressure level	≤ 26 dBA*
Nominal dimensions (LxWxH)	16,5 cm x 8,4 cm x 5,1 cm
Weight	295 g
Housing construction	Flame retardant engineered thermoplastic
Supplemental oxygen	Not for use with oxygen
Starndard air filter	Polyester fiber
Air outlet	The 22 mm conical air outlet complies with ISO 5356-1

General

30W Power Adapter	- Unit Put range 100 40V, 50-60Hz - Typical power consomption 20W (30VA) - Maximum power consumpt35W (70VA)
Operating temperature	+5°C to +35°C (41°F to 95°F)
Operating humidity	10-95% non-condensing
Operating altitude	Sea level to 2 400 m (8,000´)
Operating atmospheric pressure	101 to 75.3 KPA
Storage and transport temperature	-20°C to +60°C (-4°F to 140°F)
Storage and transport humidity	10-80% non-condensing
Storage and transport atm. pressure	No limit
Electromagnetic compatibility	Compatible with IEC 60601-1-2
IEC 60601-1 classification	Class II (double insulation), Type BF
Available Modes	Standby, CPAP, AUTO-CPAP

* DECLARED DUAL-NUMBER NOISE EMISSION VALUES in accordance with ISO 4871



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