	BATTERY SPECIFICATION	No. MGL2867
Solihull, UK +44 (0) 845 602 5562 sales@enix-energies.com	Originated by: N Scholey Date: 28 th March 2006	Page 1 of 3. Issue No: 2 Issue Date: 17/03/11

Nominal Ratings: 3.7 V, 1800 mAh

Composition: 1S1P ICP1003450B

NB: Actual voltage and capacity in use will be affected by various factors, including temperature, discharge rate, charge rate and method (if applicable), end point voltage, history (e.g. past use, storage) etc.

Picture of Battery Pack:




Mechanical Details:	NB: All dimensions are nominal. Sleeved packs are not weather proof and are designed to be installed in a protective case or within equipment. They are not intended to be handled by the end user of the equipment and will normally require hard cases before they can be repeatedly inserted and removed.		
Length:	54.5 ± 0.5 mm	Weight:	50 ± 1 g
Depth:	35.0 ± 0.5 mm	Covering:	PVC Heat Shrink
Height:	11.5 ± 0.5 mm	Labelling:	Standard
Leads:	100 mm 7/0.2 PVC	Connector:	None

Go to www.enix-energies.com

© Copyright Enix Energies 2006. NB: This document and the product design are the intellectual property of Enix Energies. No document or design may be copied or used for commercial purposes without written permission of Enix Energies. **Users must satisfy themselves, by means of testing etc, that products are suitable for their application.** Data in this document is for general guidance only; consult cell manufacturers data for definitive information. Information is given free of charge and in good faith, but no responsibility can be accepted for any errors or omissions or costs or losses or liabilities arising from the use of this information.

All business is conducted to Enix Energies terms and conditions only.

	BATTERY SPECIFICATION		No. MGL2867
	Solihull, UK +44 (0) 845 602 5562 sales@enix-energies.com	Originated by: N Scholey Date: 28 th March 2006	Page 2 of 3. Issue No: 2 Issue Date: 17/03/11

Protection Devices:	NB: These devices are designed to protect the pack in the event of control circuit failures e.g. charger failure. They must not be used a main means of charge/discharge control. Protection circuits have response times in the order of a few milliseconds.		
Electronic Circuit	PLH-1060/C-B10	Polyswitch	SRP 120
Fuse	None	Bypass Diode:	None
Thermal Fuse	None	Other:	None

Electrical Details:	UNIT	NOMINAL	MINIMUM	MAXIMUM
Charge Current	mA	900	360	1800
Charge Voltage	V	4.2	4.15	4.25
Charging Temperature	°C	+20	0	+45
End of charge detection:				
By timer ¹	hours	3		
By low current	mA	100		
Discharge Current ²	mA	360		1800
Cut-off Voltage ³	V	3.0	2.8	
Discharge Temperature ⁴	°C	+20	-20	+60

Notes:

¹ The timer should start at the start of the constant voltage phase of charging

² Batteries fitted with electronic protection circuits cannot normally deliver current pulses above the maximum figure, since the circuit has short response times.

³ This is the voltage at which the pack is considered discharged. If your equipment continues to discharge the battery below the minimum figure indicated, the battery may be damaged and/or its life reduced. If you equipment ceases to function at a voltage above the maximum figure, you may not recover the full battery capacity.

⁴ The battery may need to be derated at high and low temperatures. In particular, low temperatures will increase internal resistance and reduce the capacity, which can be recovered, particularly at high currents. High temperatures will increase self discharge and reduce battery life. See our website for more information.

Storage:	UNIT	NOMINAL	MINIMUM	MAXIMUM ⁵
Temperature	°C	23		35
Duration	months			12

Store at 50% state of charge for optimum life. **Do NOT store in a discharged condition.**

⁵ Occasional short excursions to +60 possible. Prolonged storage at high temperatures will dramatically shorten life

OUTLINE SAFETY WARNING: USE ONLY WITHIN THE ALLOWED PARAMETERS.

Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do not dismantle the pack or disable any of the protective devices or circuits.

DO NOT USE THE BATTERY IF YOU SUSPECT IT MAY BE FAULTY OR DAMAGED.


Related documents: You should also consult the following documents:

- 1) Cell Data Sheet.
- 2) Material Safety Data Sheet.

Go to www.enix-energies.com

© Copyright Enix Energies 2006. NB: This document and the product design are the intellectual property of Enix Energies. No document or design may be copied or used for commercial purposes without written permission of Enix Energies. **Users must satisfy themselves, by means of testing etc, that products are suitable for their application.** Data in this document is for general guidance only; consult cell manufacturers data for definitive information. Information is given free of charge and in good faith, but no responsibility can be accepted for any errors or omissions or costs or losses or liabilities arising from the use of this information.

All business is conducted to Enix Energies terms and conditions only.

	BATTERY SPECIFICATION	No. MGL2867
Solihull, UK +44 (0) 845 602 5562 sales@enix-energies.com	Originated by: N Scholey Date: 28 th March 2006	Page 3 of 3. Issue No: 2 Issue Date: 17/03/11

UN T1-T8 Tested 

The type MGL2867 battery has passed the UN T1-T8 tests and may be shipped as excepted from these regulations. Rating 6.75 Wh.

These regulations require that all lithium-ion and lithium polymer cells and batteries must pass a number of UN tests before they may be transported by road, rail, sea or air. In addition lithium-ion and lithium polymer cells and batteries containing more than specified power rating limits must be shipped as Class 9 hazardous goods. For cells and batteries the classification is UN3480. Batteries below these limits may be transported as non-hazardous. There are certain exceptions.

Disclaimer: We do not claim to be experts in with regard to transport regulations, shipping, packing etc. Users and prospective users of lithium, lithium-ion and/or lithium polymer cells and/or battery packs should consult a qualified person for definitive information, e.g. a Dangerous Goods Safety Advisor. Enix Energies, its owners, directors, employees and servants cannot accept any responsibility for the accuracy of the above information.

Go to www.enix-energies.com

© Copyright Enix Energies 2006. NB: This document and the product design are the intellectual property of Enix Energies. No document or design may be copied or used for commercial purposes without written permission of Enix Energies. **Users must satisfy themselves, by means of testing etc, that products are suitable for their application.** Data in this document is for general guidance only; consult cell manufacturers data for definitive information. Information is given free of charge and in good faith, but no responsibility can be accepted for any errors or omissions or costs or losses or liabilities arising from the use of this information.

All business is conducted to Enix Energies terms and conditions only.