

**PROPRIETARY INFORMATION:**

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**REVISION HISTORY**

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	Initial Release	SV	27337	5/13/2019	DR
B	Add label dimensions	SV	27358	5/31/2019	DR
B1	Format update	DR	27536	7/2/2020	DR
C	PCM: Ablic S-826 change to Globtek Standard	DR	27671	9/27/2021	DR
	CHARGE CURRENT: 0.5C (Standard) change to 0.6A(Standard);1.5A(Maximum				
	INTERNAL IMPEDANCE: ≤30 mΩ change to ≤100 mΩ				
	OVER CHARGE CURRENT DETECTION: 4.35 ±0.02V (Delay time .96 - 1.4sec. , resume 4.075 ±0.02V) change to				
	4.25 ±0.025V (Max. 1400msec. delay, resume 4.08 ±0.025V)				
	OVER CURRENT CHARGE DETECTION: 5-8A (7.2 - 11msec. Delay time) remove load to recover change to				
	4.8A—8.0A (5.0-15.0msec.delay) remove load to recover				
	Update mechanical drawing, main label, carton label				
D	Add Wire type: UL1571/26AWG	MK	27739	10/11/2022	DR

See Page 2 for important battery warranty and usage information.

**Foot Note:**

Globtek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

**Limitation of Use:**

Globtek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of Globtek Inc.

Contents of this document are subject to change without prior notice

 GlobTek, Inc.  
[www.globtek.com](http://www.globtek.com)

186 Veterans Drive, Northvale, NJ 07467  
 Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion Polymer Battery Pack  
 3.7 Volts @ 3000mAh

Model No: 903178 (1ICP9/32/77)

Part No: BL3000F9031781S1PCNC

Rev. D

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By customer signing or accepting this document, they agree to acknowledge and accept the **Guidelines and cautions, Safety Notes, and Safety Precautions published on GlobTek's website**  
[http://en.globtek.com/safety-cautions.php#.UUD-NRzU\\_I8](http://en.globtek.com/safety-cautions.php#.UUD-NRzU_I8)

GlobTek offers a 5-year warranty on workmanship and electrical components assembly on all new battery pack products excluding the battery cells themselves which are covered by the Manufacturer's original warranty at their published warranty period. Please refer to the manufacturer's manufacturer's warranty policy for cells. For GlobTek brand cells, GlobTek provides a 12-month warranty for Li-Ion batteries. The warranty period is based upon the expectation that the battery will deliver 80% of its initial capacity after 300 cycles at low to moderate power loads. High power loads may cause a battery to reach 80% of initial capacity in less than the 12-month warranty period. Li-Ion batteries will continue to operate below the 80% capacity threshold; however, the capacity (run time) delivered between charges will continue to decrease.

The purchaser of GlobTek battery pack products (Customer) agrees that they are a "Sophisticated user" who understands battery technology and that it is their sole responsibility to determine suitability of the product described for their application and to take precautions for protection against any hazards attendant to the handling and use of the product. GlobTek products are only designed for professional

The acceptance of GlobTek specifications, the information on this page and use of the product(s) described in this or other GlobTek documents indicate that the product was qualified for use (tested and/or sample waiver signed), and the acceptance and binding of the customer to GlobTek terms and conditions, which supersede all other agreements, terms and conditions  
[\(http://en.globtek.com/terms-and-conditions/\)](http://en.globtek.com/terms-and-conditions/).

Lithium Ion batteries are inherently dangerous. Continuous usage or charging without allowing the battery to discharge is a hazard. FIRE HAZARD: This like all Li-Ion battery packs must be regularly discharged and charged. it is not recommended to be kept on permanent full charge and in a full state of charge

**Customer Approval of Specification:**

Please approve, sign and send back to GlobTek so we can complete order processing.

A delay in receipt of this form will delay delivery schedule.

Company Name:

Customer P/N:

Quote Number:

Date:

Authorized Representative Name:

Authorized Representative Signature:



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**1.GENERAL SPECIFICATION:**

**BATTERY WITH SAFETY CIRCUIT**

CELL:	Globtek 903178
PCM:	Globtek Standard
NTC:	10K
ID:	N/A
CONFIGURATION:	1S1P
WEIGHT:	Aprox 63 grams (Reference)

**2.ELECTRICAL SPECIFICATION:**

RATED CAPACITY:	3000mAh @0.2C discharge
NOMINAL VOLTAGE:	3.7
WATT-HOUR RATING:	11.1WH
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAXIMUM CHARGE VOLTAGE [V]:	4.2V/cell; (Recommended 4.1V±1%/cell)
CHARGE CURRENT:	0.6A(Standard); 1.5A(Maximum)
RECOMMENDED CHARGE CUT OFF:	By current to 0.01C or timer 5.0 hours (Standard); 2.5 hours (Rapid)
MAXIMUM CONTINUOUS DISCHARGE CURRENT:	1C
RECOMMENDED DISCHARGE CUT OFF:	3.0V
INTERNAL IMPEDANCE:	≤100 mΩ
EXPECTED CYCLE LIFE:	>500 cycles>70% initial cap. of cells(CC charge 0.5C to 4.1V;CV to 0.01C 5 min. delay; CC discharge 0.5C to 3V)

**CELL PROTECTION:**

OVER CHARGE CURRENT DETECTION:	4.25 ±0.025V (Max. 1400msec. delay, resume 4.08 ±0.025V)
OVER DISCHARGE VOLTAGE DETECTION:	2.50 ±0.045V (Delay time 115-173mscec.. Release 2.9±0.1V)
OVER CURRENT CHARGE DETECTION:	4.8A—8.0A (5.0-15.0msec.delay) remove load to recover

**3. AMBIENT CONDITIONS**

**TEMPERATURE RANGE:**

CHARGE:	0 to +45°C
DISCHARGE:	-20 to +60°C
STORAGE TEMPERATURE:	<1 year -20 to +25°C >80% <3 months -20 to 40C

HUMIDITY:	≤ 75%RH Bare Cell
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**4.ENVIRONMENTAL AND SAFETY**

PLEASE FOLLOW GlobTek, Inc. HANDLING AND SAFETY PRECAUTIONS FOR Lilon & LiPolymer.

**5. CELL REGULATORY APPROVALS:**

UL:	Approved to UL1642
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**6. BATTERY PACK APPROVALS:**

RoHS:	COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006
CE Mark:	COMPLIES WITH 2004/108/EC ELECTROMAGNETIC COMPATIBILITY INCLUDING BUT NOT LIMITED TO EN61000-6-1:2007, EN61000-6-3:2007
TRANSPORTATION:	Approved to UN38.3
UL:	Approved to IEC62133

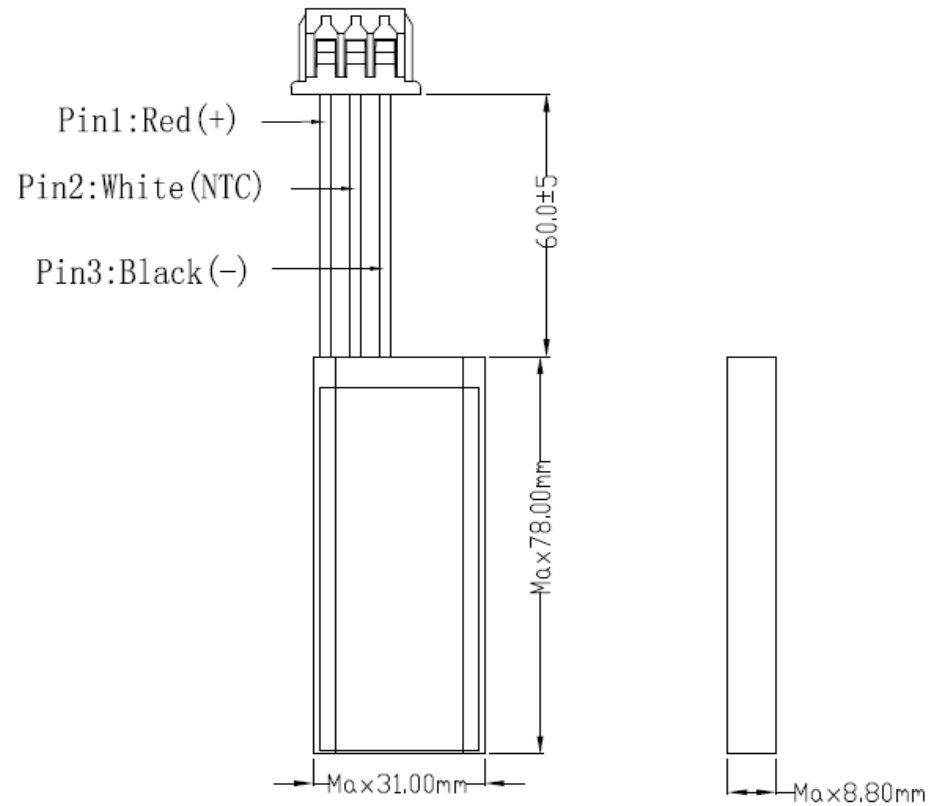


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**7. MECHANICAL:**

DIMENSIONS:	78mm (Max.) x 31mm(Max.) x 8.8mm(Max.)
SHRINK WRAP:	N/A
WIRE TYPE:	UL1571/26AWG
WIRE LENGTH:	60mm +/- 5.0mm
WIRE POLARITY: (Pin 1)	Red Positive (+)
WIRE POLARITY: (Pin 2)	White NTC (10K)
WIRE POLARITY:(Pin 3)	Black Negative (-)
ADDITIONAL REQUIREMENTS:	N/A



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**8. OUTPUT CONNECTOR:**



	EQUIVALENT	Y / N
PLUG TYPE		Y
TERMINALS		Y

Molex 51021-0300  
Molex 050079800 (Qty 3)

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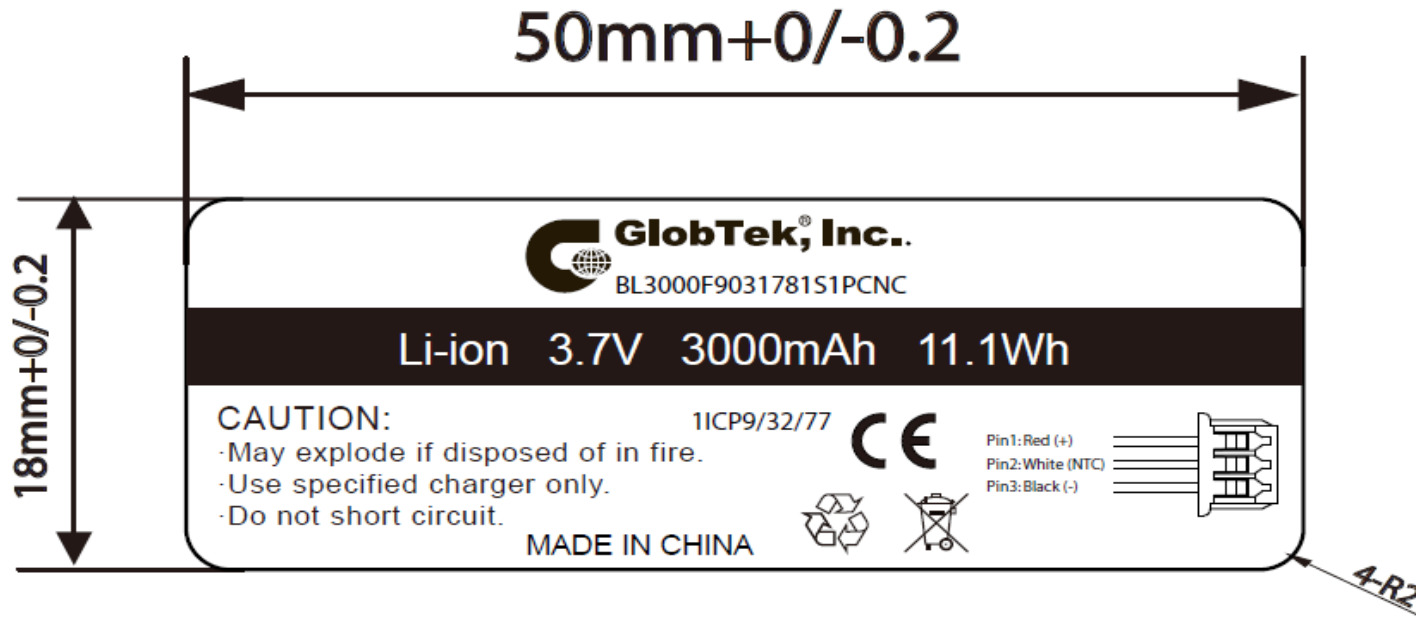
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**9. LABEL:**

MATERIAL:	TBD
BACKGROUND COLOR:	WHITE
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	50
LABEL HEIGHT: (mm)	18
ADDITIONAL REQUIREMENTS:	N/A



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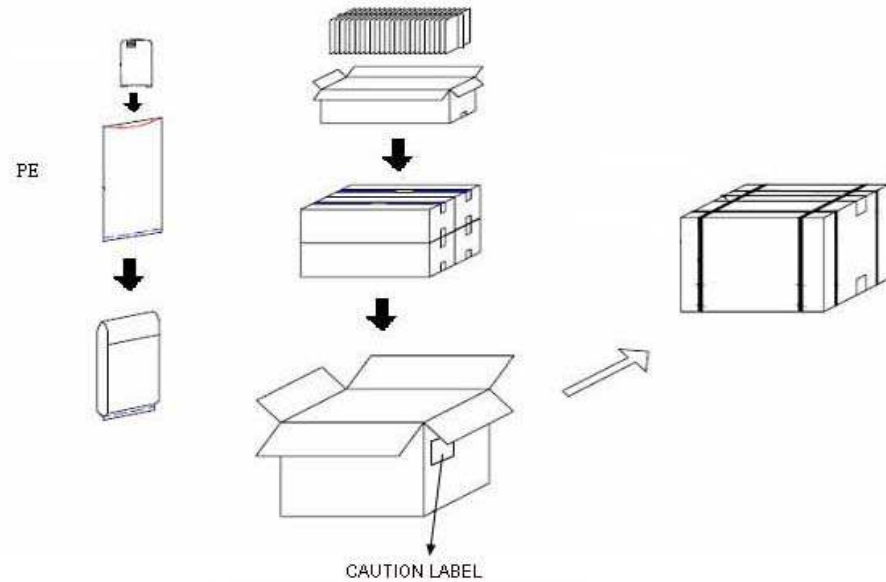
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**10. PACKAGING:**

PE BAG SIZE	TBD
CARTON SIZE:	TBD
QUANTITY PER CARTON:	TBD
G.W.	TBD



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