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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	INITIAL RELEASE	SV	27097	2/15/2018	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

RELEASED
By N.Frost at 10:31 am, May 30, 2018

 GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07467 201-784-1000 Fax 201-784-0111	Drawing Title: Li-Ion Battery 3.7 Volts @ 3100mAh
	Tel. Model No.: NCR18650B Part No.: BL3100C1865001S1PCMH
Rev. A	

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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

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 this product (Customer) agrees 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. Products sold are not returnable. GlobTek, Inc. will produce or provide its products to our published specifications. The purchaser of this product (Customer) shall be solely responsible for determining the products' fitness for use in their applications.

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:

CELL:	NCR18650B
PCM:	Globtek Standard
NTC:	10k NTC(Beta Value 3250 - 3600K)
ID:	N/A
CONFIGURATION:	1S1P
WEIGHT:	TBD

2.ELECTRICAL SPECIFICATION FOR PACK:

RATED CAPACITY:	3100mAh (Typical); 3000mAh (Minimum) at 0.2C discharge rate
NOMINAL VOLTAGE:	3.7 Volts
WATT-HOUR RATING:	11.47 WH
CHARGING METHOD:	Constant Current/Constant Voltage
MAX. CHARGE VOLTAGE [V]:	4.2 Volts(±0.05V)
CHARGE CURRENT:	0.2C (Standard); 0.5C (Maximum)
REC. CHARGE CUT OFF:	0.02C or timer approximately 1-3 hours
MAX. CONTINUOUS DISCHARGE CURRENT:	0.5C
REC. DISCHARGE CUT OFF:	2.5 Volts (±0.05V)
INTERNAL IMPEDANCE:	≤150 mΩ
EXP. CYCLE LIFE:	>300 cycles >80% of initial capacity (Charge at 0.5C ;discharge 0.5C to 2.5V)
CELL PROTECTION:	
OVER CHARGE DETECTION:	4.27 Volts ± 0.025V (Delay 0.96 - 1.4 seconds)
OVER DISCHARGE DETECTION:	2.3+/-0.05V (Delay 80 - 245msec)
OVER CURRENT DETECTION:	1.64Amps - 4.46Amps (Delay 5 - 15msec.; release Cut-Load)

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:	
CHARGE:	0 to +45°C
DISCHARGE:	-20 to +60°C
CHARGE RETENTION/STORAGE [%]:	< 1 month -20 to +45°C >80% <3 months -20 to +45C >80% < 6 months -20°C >80%
HUMIDITY:	45 - 75%RH

4.ENVIRONMENTAL AND SAFETY

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

5. CELL REGULATORY APPROVALS:

UL:	UL1642; IEC62133
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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:	PACK DESIGNED TO MEET un38.3
UL:	Design to meet UL2054, IEC62133

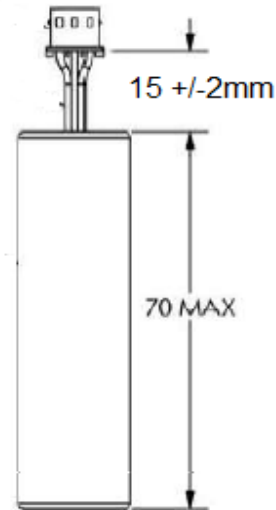


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6. MECHANICAL:

DIMENSIONS:	19.0 * 19.0* 70mm (Max.)
SHRINK WRAP:	Blue PVC
WIRE TYPE:	UL1007 22 AWG
WIRE LENGTH:	15mm +/-2.0
WIRE POLARITY (Pin 1):	Red Positive (+)
WIRE POLARITY (Pin 2):	Yellow 10K NTC
WIRE POLARITY (Pin 3):	Black Negative (-)
TIN LENGTH:	N/A
ADDITIONAL REQUIREMENTS:	N/A



CONNECTOR PIN-OUT		
PIN	FUNCTION	COLOR
1	POSITIVE	RED
2	NTC	YELLOW
3	NEGATIVE	BLACK



[ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE BY CLICKING THIS LINK.](#)
[STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE BY CLICKING THIS LINK](#)

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7. OUTPUT CONNECTOR:

ACTUAL CONNECTOR'S, OVERMOLDS, MAY VARY SLIGHTLY FROM THE PICTURE BELOW



	EQUIVALENT	Y / N	
PLUG TYPE		N	Molex 050375033
POLARITY(Pin 1)			Positive (Red)
POLARITY(Pin 2)			10KNTC(Yellow)
POLARITY(Pin 3)			Negative(Black)
ADDITIONAL REQUIREMENTS			N/A

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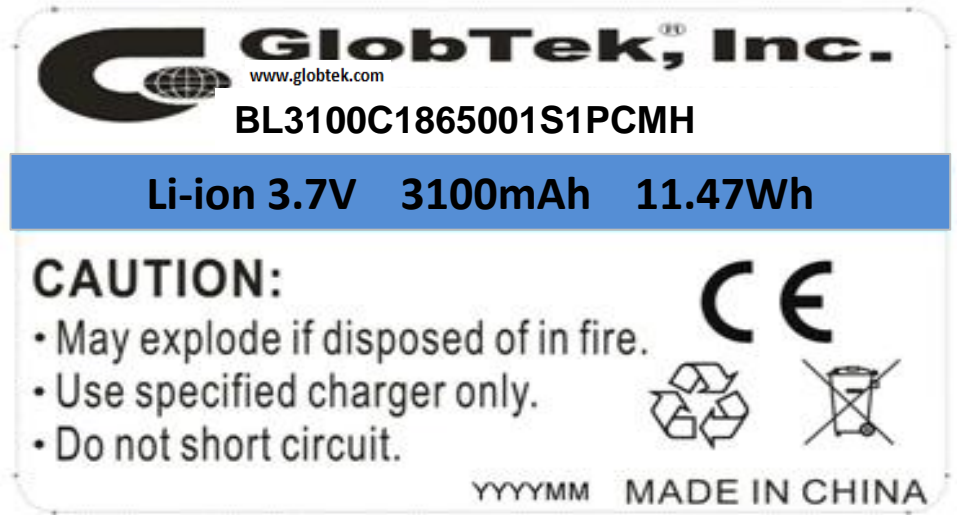
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8. LABEL:

MATERIAL:	TBD
BACKGROUND COLOR:	WHITE
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	45mm
LABEL HEIGHT: (mm)	35mm
ADDITIONAL REQUIREMENTS:	See Below



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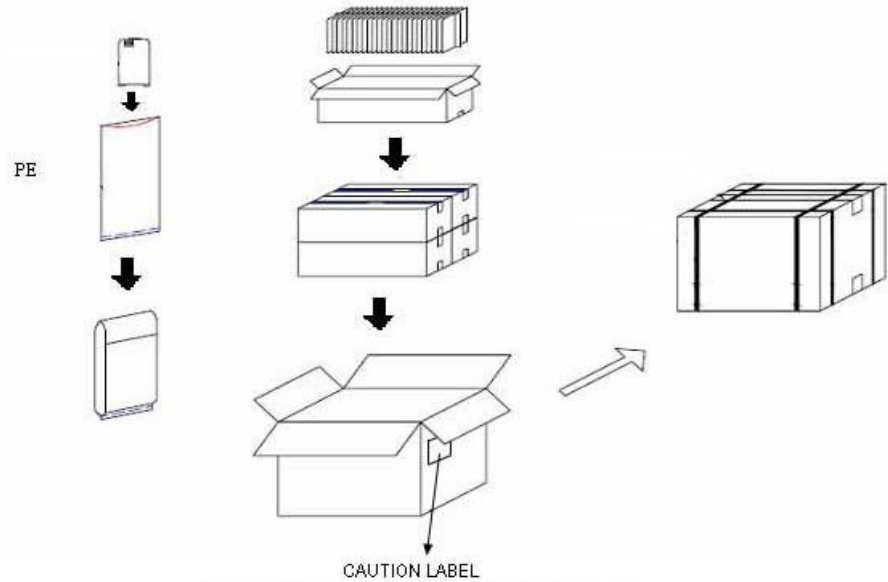
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9. PACKAGING:

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



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