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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	INITIAL RELEASE	MS	21351	8/4/2011	HM
B	UPDATE GENERAL SPECIFICATION, MECHANICAL DIMENSIONS, PINOUT, LABEL	MS	21566	9/14/2011	HM
C	UPDATE PINOUT	MS	21800	10/26/2011	HM
D	CHANGE COLOR CONDUCTORS FOR PIN 2 & PIN 3	MS	21869	11/8/2011	HM
E	UPDATE PACKING: GIFT BOX & CARTON BOX DIMENSIONS, QTY, GW	MS	22013	12/1/2011	HM
F	ADD CARTON DIMENSIONS	MS	22277	1/25/2012	HM
G	ADD STANDARD CHARGER, MAX/QUICK CHARGE CURRENT	MS	23730	11/15/2012	HM
H	UPDATE BATTERY PACK HEIGHT FROM 61.5 mm TO 64.0 mm	MS	25598	7/31/2014	HM
I	UPDATE PACK DIMENSIONS FROM 14*42*64 mm TO 14*43.5*60 mm, ADD NOTES TO PAGE 2	MS	25661	10/20/2014	HM
J	UPDATE PACKING AND PINOUT	MS	25726	1/7/2015	HM
K	CORRECT THE COLOR CODES ON THE WIRES DRAWING ON PAGES, CORRECTED POLARITY INFORMATION ON THE TABLE UNDER SECTION 7., MECHANICAL, CORRECT PIN 3 ON LABEL DRAWING	MS	25782	1/15/2015	HM
L	CLARIFY DATE CODE/LOT CODE ON LABEL	MS	25800	2/3/2015	HM
M	REVISE LABEL ORIENTATION AND ADD GIFT BOX DIMENSIONS	JS	26282	4/1/2016	HM
N	CLARIFY LABEL ON PAGE 5 AND 6	JS	26292	4/11/2016	HM
O	UPDATE MAXIMUM CHARGE VOLTAGE FROM 8.4V TO 4.2V/CELL (RECOMMENDED 4.1V±1%/CELL)	SV	27374	6/19/2018	DR
	ADD IEC CODE TO LABEL AND MODEL; ADD APPROVED TO IEC62133:2012 (2ND EDITION)				

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:

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 pudxc at 3:41 pm, Jun 19, 2019

 GlobTek, Inc.
www.globtek.com

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

Drawing Title: Li-Ion Prismatic Battery Pack
7.4 Volts @ 1800 mAh

Model No: 063960 (2ICP7/43/57)

Part No. : BL1800P0639602S1PPLB

Rev. O

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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.

The acceptance of this specification and use of the product described in this document indicates 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/>).

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.

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1.GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:	GLOBTEK
PCM:	R5460N525AF & A08810
NTC:	10KΩ, ±5% SMD
ID:	N/A

CONFIGURATION:	2S1P
WEIGHT:	80.0 G

2.ELECTRICAL SPECIFICATION:

RATED CAPACITY:	1800 mAh NOMINAL, 1700 mAh MINIMUM
NOMINAL VOLTAGE:	7.4
WATT-HOUR RATING:	13.32WH
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAXIMUM CHARGE VOLTAGE [V]:	4.2V/cell (Recommended 4.1V±1%/cell)
CHARGE CURRENT:	0.2C ₅
STANDARD CHARGE:	0.2C(360mA)
QUICK CHARGER CURRENT:	0.5C(900 mA)
MAXIMUM CHARGE CURRENT:	1C (1800 mAh)

RECOMMENDED CHARGE CUT OFF: By current 0.01C or timer approximately 6.5 hours

MAXIMUM CONTINUOUS DISCHARGE CURRENT:	1C (1800 mAh)
RECOMMENDED DISCHARGE CUT OFF:	3.0V/cell
IMPEDANCE:	≤240 mΩ
EXPECTED CYCLE LIFE:	>300 CYCLES > 85% OF INITIAL CAP.

CELL PROTECTION:	
SELF DISCHARGE:	STORE 28 DAYS AT 25°C AFTER FULLY CHARGE
OVER CHARGE DETECTION VOLTAGE:	4.29V NOMINAL, 4.265V MINIMUM, 4.315V MAXIMUM (0.7 TO 1.3 SEC. DELAY, RESUME 4.1 ±0.03V)
OVER DISCHARGE DETECTION VOLTAGE:	3.0V NOMINAL, 2.925V MINIMUM, 3.075V MAXIMUM (89 to 167msec. DELAY, RESUME REMOVE LOAD & CHARGING CURRENT)
OVER CURRENT DETECTION:	0.185Vto 0.215V (8 to 16 msec. DELAY)



GlobTek, Inc.
www.globtek.com
 186 Veterans Drive, Northvale, NJ 07467
 Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion Prismatic Battery Pack
 7.4 Volts @ 1800 mAh
 Model No: 063960 (2ICP7/43/57)
 Part No: BL1800P0639602S1PPLB

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3. AMBIENT CONDITIONS

TEMPERATURE RANGE:

CHARGE: 0 TO +40°C

DISCHARGE: -20 TO +60°C

CHARGE RETENTION/STORAGE [%]: 3 MONTHS AND UP -5 TO +20°C

2 MONTHS AT -20 TO +35°C

WITHIN 1 MONTH AT -20 To +45°C

HUMIDITY: 40±2°C(75%RH)

4. ENVIORMENTAL AND SAFETY

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

5. CELL REGULATORY APPROVALS:

UL: CELL APPROVED TO UL 1642

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

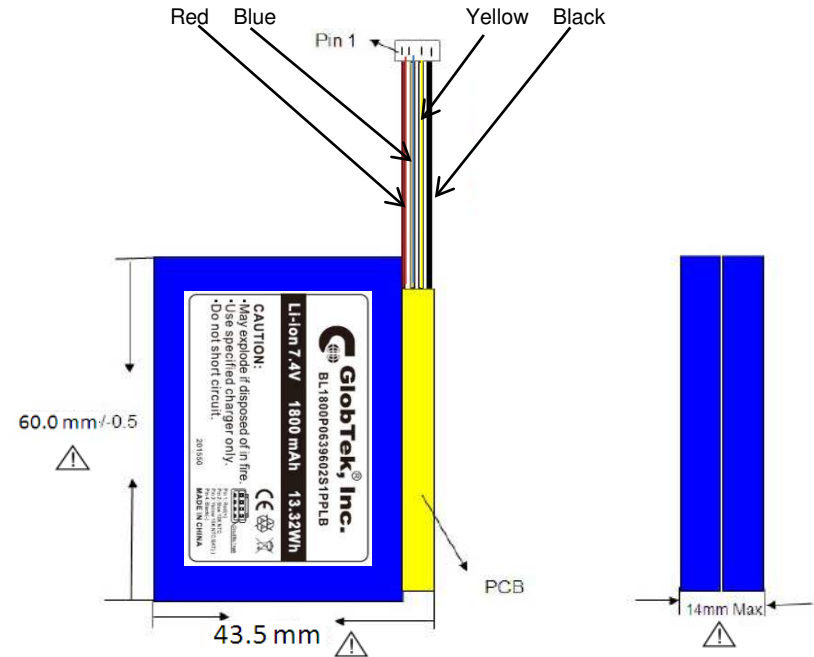
EN61000-6-1:2007, EN61000-6-3:2007

TRANSPORTATION: BATTERY PACK APPROVED TO UN38.3

SAFETY: BATTERY PACK APPROVED TO IEC62133:2102 (2ND EDITION)

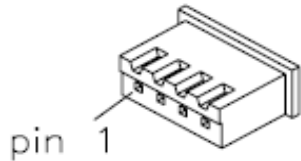
7. MECHANICAL:

MATERIAL:	
DIMENSIONS:	14.0mm(T) x 43.5mm (W) x 60.0mm (L)
SHRINK WRAP:	BLUE PVC
WIRE TYPE:	UL1007
WIRE LENGTH:	70mm +/- 5.0
WIRE POLARITY:	RED: POSITIVE (+)
WIRE POLARITY:	BLUE: 10K NTC
WIRE POLARITY:	YELLOW: 10K NTC(BAT-)
WIRE POLARITY:	BLACK: NEGATIVE(-)
STRIP LENGTH:	N/A
TIN LENGTH:	N/A
ADDITIONAL REQUIREMENTS:	N/A



8. OUTPUT CONNECTOR:

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



	EQUIVALENT	Y / N	
PLUG TYPE		Y	P/N: JST XHP-4PIN
OVER MOLD ORIENTATION			N/A
PLUG DIMENSIONS			N/A
TERMINAL PIN			JST SXH-002T-P0.6
BARREL PLUG LOCKING NOTCH			N/A
POLARITY			N/A
ADDITIONAL REQUIREMENTS	Y		SEE BELOW

4 PIN JST CONNECTOR PINOUT
 PIN 1(RED): (+)
 PIN 2(BLUE): 10K NTC
 PIN 3(YELLOW): 10K NTC (BAT-)
 PIN 4(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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9. LABEL:

MATERIAL:	TBD
BACKGROUND COLOR:	WHITE
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	40.0 mm
LABEL HEIGHT: (mm)	25.0 mm
ADDITIONAL REQUIREMENTS:	N/A



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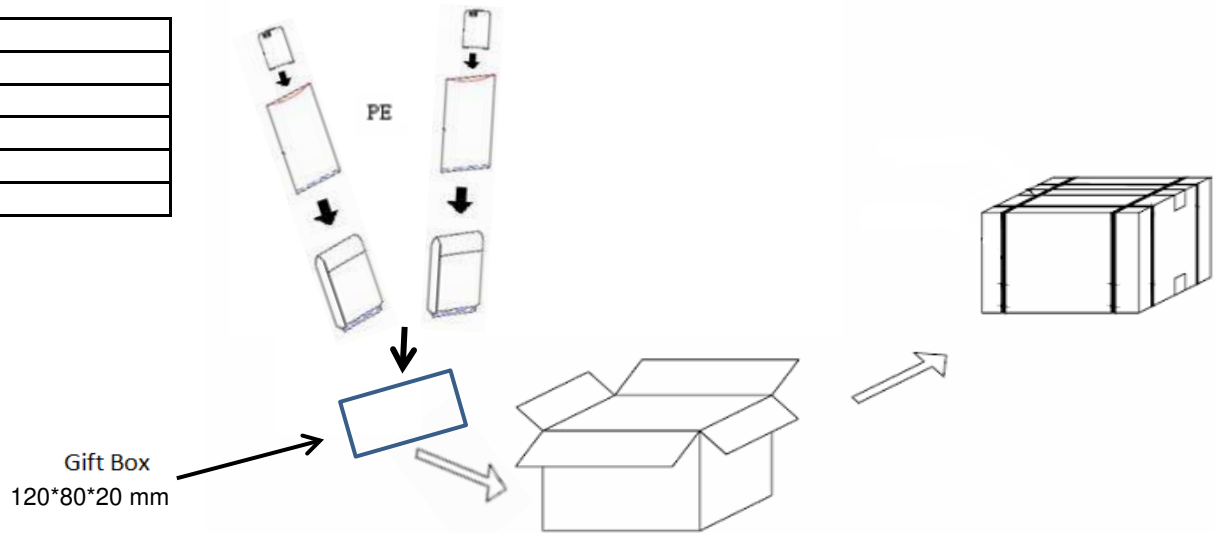
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10. PACKAGING:

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



(2) battery packs per gift box

GIFT BOX LABEL

DIMENSIONS: TBD

