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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	INITIAL RELEASE	EM	25878	4/15/2015	DR
B	ADD TO LABEL WIRE PINOUT	EM	25905	5/7/2015	DR
C	CHANGE SHRINK WRAP TO GLOBTEK STANDARD	EM	25999	7/20/2015	DR
D	UPDATE LABEL, MODEL NO ON TITLE TO BL2200F6034501S2PZAL	EM	26020	7/21/2015	DR
E	ADD LINK TO AGENCY, ADD IEC62133 APPROVAL	EM	26188	1/27/2016	DR
F	CHANGE TITLE ON THE LABEL FROM Li-polymer Battery TO Li-Ion PRISMATIC BATTERY PACK	MK	27118	7/9/2018	DR
G	UPDATE FORM	DR	27539	7/3/2020	DR
H	UPDATE SHRINK WRAP FROM GLOBTEK STANDARD TO BLUE PVC	DR	27546	7/8/2020	DR
I	CHANGE TITLE: Li-Ion PRISMATIC BATTERY PACK TO Li-Ion POLYMER BATTERY PACK	DR	27555	7/15/2020	DR
J	UPDATE COLOR WIRE FROM 'WHITE' TO 'WHITE OR RED'	MK	27571	10/5//2020	DR
K	UPDATE CASE dimensions to Max.53.0mm * Max.35.0mm * Max.13.0mm	MK	27738	10/11//2022	DR

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

186 Veterans Drive, Northvale, NJ 07467

Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion POLYMER BATTERY PACK,1S2P

3.7 VOLTS @ 2200 mAh

MODEL NO: BL2200F6034501S2PZAL

PART NO: BL2200F6034501S2PZAL

REV K

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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_l8

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/>

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 MODEL:	GP603450
NOMINAL CELL CAPACITY:	1100mAh
PCM:	GLOBTEK STANDARD
NTC:	N/A
ID:	N/A
CONFIGURATION:	1S2P
WEIGHT:	APPROX. 20.5 G

2.PACK ELECTRICAL SPECIFICATION:

RATED CAPACITY:	2000 mAh MIN, 2200mAh TYPICAL
NOMINAL VOLTAGE:	3.7
WATT-HOUR RATING:	8.14WH
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	4.20 (±50mV)
CHARGE CURRENT:	0.5C MAXIMUM
REC. CHARGE CUT OFF:	BY CURRENT 50mA OR TIMER 4H
MAX. CONTINUOUS DISCHARGE CURRENT:	1C
REC. DISCHARGE CUT OFF:	3V
INTERNAL IMPEDANCE:	≤190 mΩ
EXP. CYCLE LIFE:	>500 CYCLES > 70% OF INITIAL CAP. (0,5C/0,5C)
CELL PROTECTION:	

OVER CHARGE DETECTION: 4.3 ±0.02V
(0.8 TO 1.2 SEC. DELAY, RESUME 4.1 ±0.03V)

OVER DISCHARGE DETECTION: 3.0 ±0.035V
(76,8 to 115msec. DELAY, RESUME REMOVE LOAD & CHARGING CURRENT)

OVER CURRENT DETECTION: 4.0A to 6.5 A (9.6 to 14.4 msec. DELAY)

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:	
CHARGE:	0 TO +45°C
DISCHARGE:	-20 TO +60°C
CHARGE RETENTION/STORAGE [%]:	1 YEAR AT -20 TO +20°C >80%
	3 MONTHS AT -20 TO +45°C >80%
	1 MONTH AT -20 To +60°C >80%
HUMIDITY:	65 ±20%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



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 Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion POLYMER BATTERY PACK, 1S2P	
3.7 VOLTS @ 2200 mAh	
MODEL NO: BL2200F6034501S2PZAL	
PART NO: BL2200F6034501S2PZAL	REV K

PROPRIETARY INFORMATION:

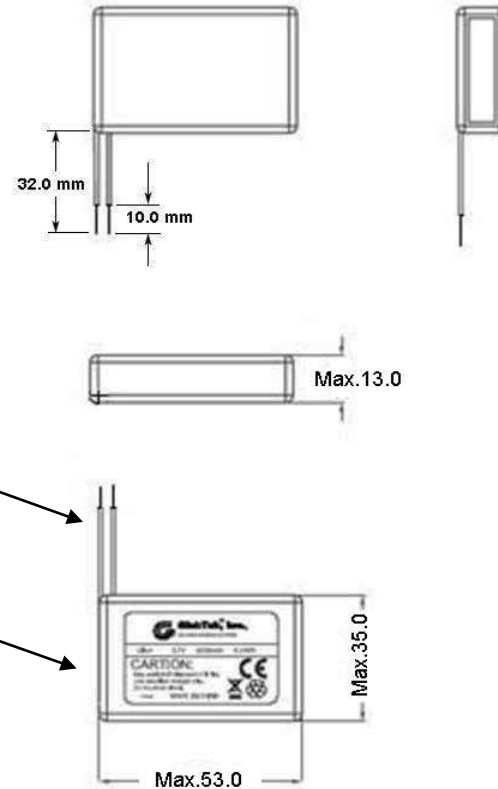
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6. BATTERY PACK APPROVALS:


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, CERTIFIED IEC62133
AGENCY DOCUMENTS:	http://globtek.info/certs/BL2200F6034501S2P%20IEC%2062133/

7. MECHANICAL PACK:


DIMENSIONS:	Max.53.0mm * Max.35.0mm * Max.13.0mm
SHRINK WRAP:	BLUE PVC
WIRE TYPE:	2 x 24AWG, UL 1007
WIRE LENGTH:	32 mm +/- 1.0
WIRE POLARITY:	WHITE OR RED POSITIVE (+)
WIRE POLARITY:	BLACK NEGATIVE (-)
STRIP LENGTH:	10±1 mm
TIN LENGTH:	5±1 mm
ADDITIONAL REQUIREMENTS:	SEE TERMINALS NEXT PAGE



 WIRES MUST EXIT FROM SIDE OF BATTERY PACK

 PCM MUST BE LOCATED ON TOP OF PACK

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

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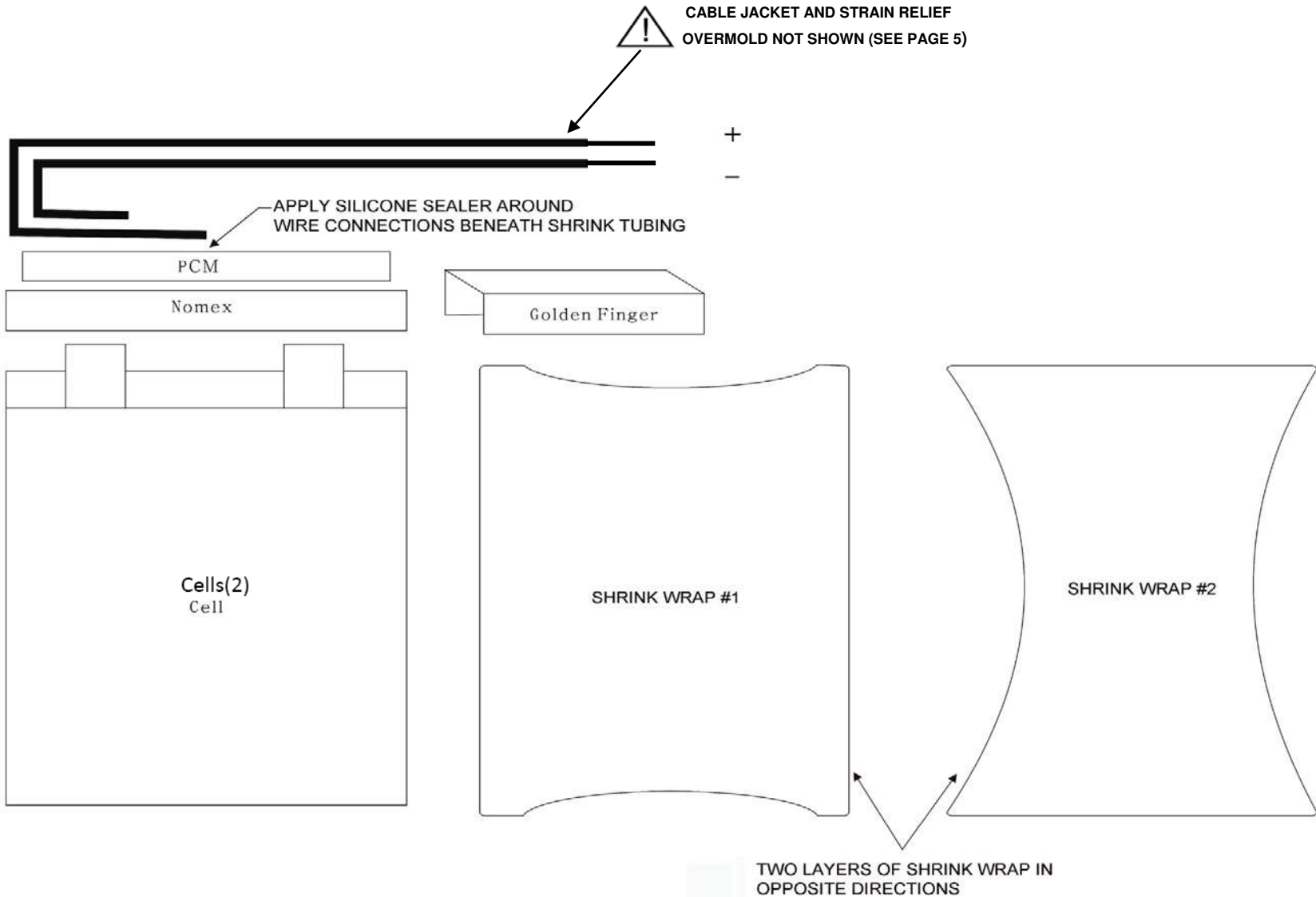
3.7 VOLTS @ 2200 mAh

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REV K

EXPLODED VIEW



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8. OUTPUT CONNECTOR:

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



BLACK: -V
WHITE OR RED : +V

	RED	Y / N
PLUG TYPE	N	N/A
CONTACTS		
WIRE 1		BLACK (-V)
WIRE 2		WHITE OR RED (+V)
ADDITIONAL REQUIREMENTS		N/A

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9. LABEL:

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



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Li-Ion POLYMER BATTERY PACK

MODEL NO: BL2200F6034501S2PZAL
PART NO: BL2200F6034501S2PZAL

3.7Vdc 2200mAh 8.14Wh
IEC designation: 1ICP7/35/51-2

CAUTION:

- May explode if disposed of in fire
- Use specified charger only
- Do not short circuit

White(+),Black(-)

MADE IN CHINA

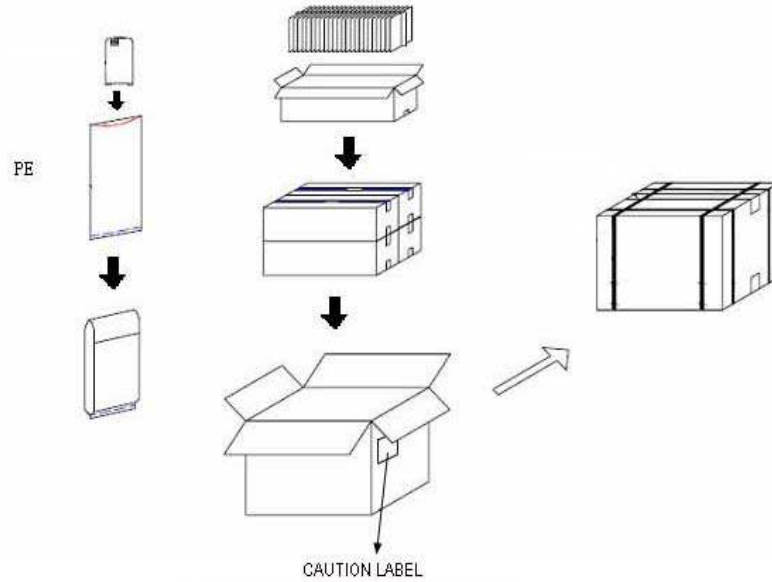
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9. PACKAGING:

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



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