

PROPRIETARY INFORMATION:

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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	Initial Release	SV	27095	5/9/2018	DR
B	Update charge current from 1C(Standard), 3C(Maximum) to 0.5C(Standard), 1C(Maximum); Update Max Continuous Discharge current from 5-6A to 2A; Update over charge protection from 4.00±0.05V to 3.65±0.025V; Update over discharge protection from 2.0±0.1V to 2.5±0.05V	SV	27141	8/22/2018	DR
C	Update packing information	NF	27456	11/19/2019	DR
D	Update Wire type from UL1007 to UL1571	SV	27489	1/15/2020	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 pudxc at 9:45 am, Jan 16, 2020

 GlobTek® Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07467 Tel. 201-784-1000 Fax 201-784-0111	Drawing Title: LiFePO4 Battery Pack	
	3.2Volts @ 1200mAh	
	Model No.: 104046	
	Part No.: BX1200F1040461S1PC2N	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

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:

 GlobTek, Inc.

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1. GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT

CELL:	104046
PCM:	GLOBTEK STANDARD
NTC:	N/A
ID:	N/A
Fuel Guage	N/A
CONFIGURATION:	1S1P
WEIGHT:	Approx. 39.0g

2. ELECTRICAL SPECIFICATION:

RATED CAPACITY:	1200mAh (Nominal)
NOMINAL VOLTAGE:	3.2V
WATT-HOUR RATING:	3.84Wh
CHARGING METHOD:	Constant Current & Constant Voltage
MAX. CHARGE VOLTAGE [V]:	3.65V
CHARGE CURRENT:	0.5C (Standard); 1C (Maximum)
REC. CHARGE CUT OFF:	0.05A
MAX. CONTINUOUS DISCHARGE CURRENT:	2A
REC. DISCHARGE CUT OFF:	2.8V
INTERNAL IMPEDANCE:	≤20mΩ
EXP. CYCLE LIFE:	>1000 cycles > 75% of initial capacity

CELL PROTECTION:

OVER CHARGE DETECTION: 3.65 ±0.025V/Cell

OVER DISCHARGE DETECTION: 2.5 ±0.05V/Cell

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:	
CHARGE:	0 to +45°C
DISCHARGE:	-10 to +45°C
CHARGE RETENTION/STORAGE [%]:	≤1 year at -5 to +35°C

HUMIDITY: 60 ±25%RH

4. ENVIRONMENTAL AND SAFETY

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

5. CELL REGULATORY APPROVALS: Designed to meet UL1642

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, IEC 62281
Safety:	Designed to meet UL 2054, IEC61960:2003, IEC 62133, Japanese PSE Standards JIS C 8712:2006, JIS C 8714:2007

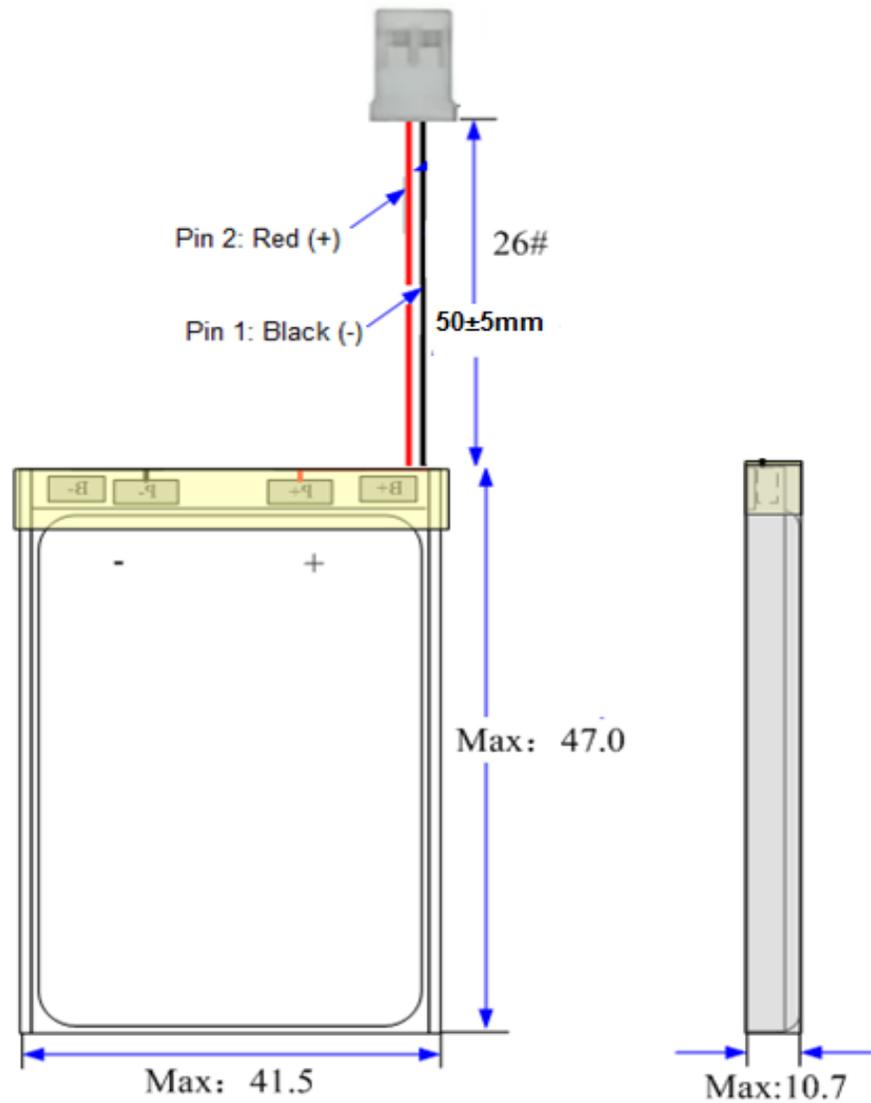


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7. MECHANICAL:

DIMENSIONS:	47mm x 41.50 mm x 10.7 mm (Max.)
SHRINK WRAP:	PVC
WIRE TYPE:	UL1571 26AWG
WIRE LENGTH:	50±5.0mm
WIRE POLARITY : Pin 1	Black negative (-)
WIRE POLARITY : Pin 2	Red positive (+)



[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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3.2Volts @ 1200mAh

Model No.: 104046

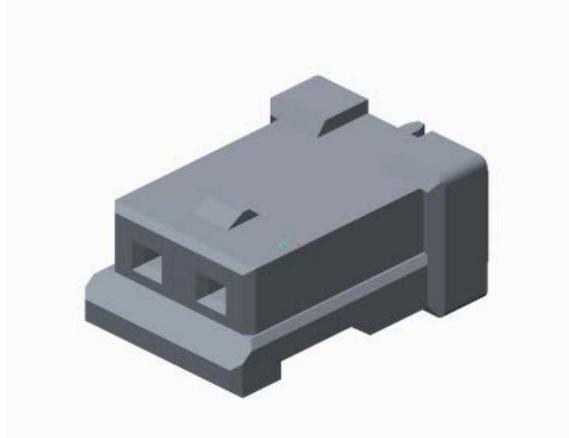
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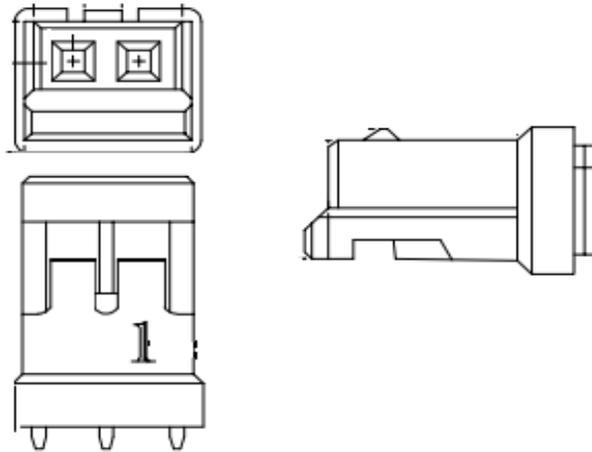
7.CONNECTOR:

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



	EQUIVALENT	Y / N	
PLUG TYPE		Y	Molex P/N 0874390200
TERMINALS		Y	Molex P/N 087421000
POLARITY			Pin 1: Black (-)
POLARITY			Pin 2: Red (+)

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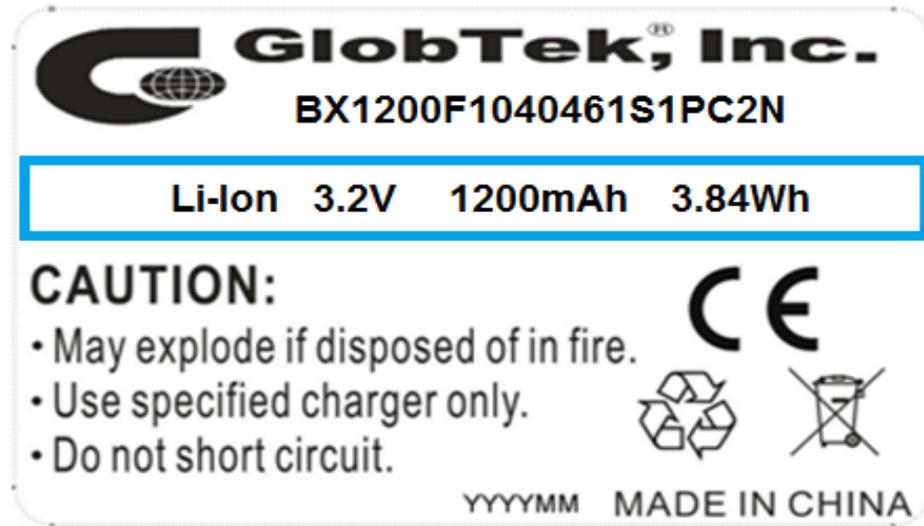


Pin 1: Black (-)
Pin 2: Red (+)

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MATERIAL:	TBD
BACKGROUND COLOR:	WHITE
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	60mm
LABEL HEIGHT: (mm)	30mm
ADDITIONAL REQUIREMENTS:	N/A
ADDITIONAL REQUIREMENTS:	N/A

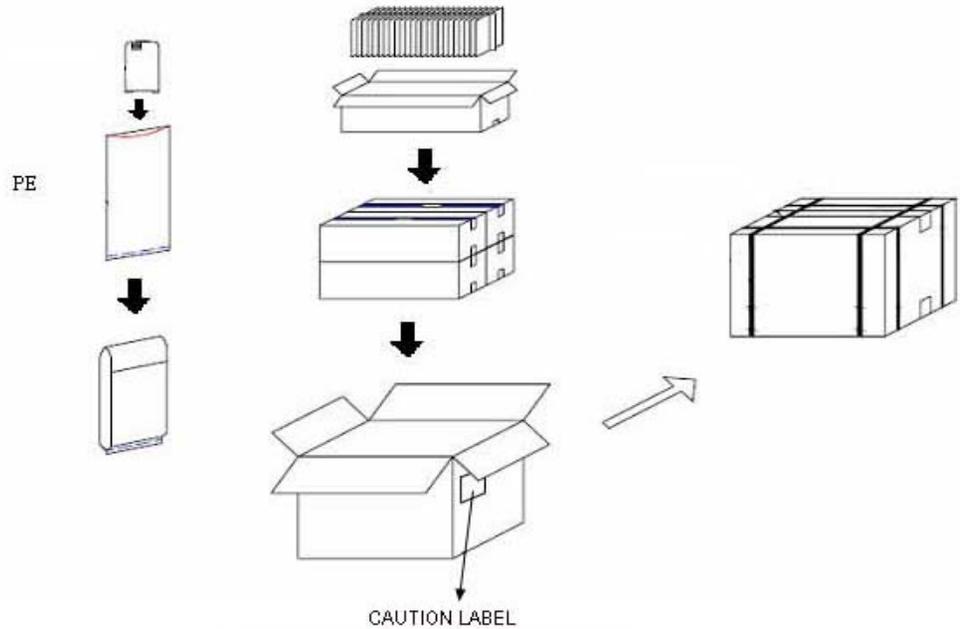


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9. PACKAGING:

PE BAG SIZE	120*82 mm
GIFT BOX SIZE	60*45*15 mm
CARTON SIZE:	340*265*225 mm
QUANTITY PER CARTON:	240
G.W.	TBD



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