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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	INITIAL RELEASE	DR	RFI-137341	11.11.20	DR
B	UPDATE MECHANICAL DWG	JM		3/12/2021	DR
C	Update UN code and capacity to match Samsung cell spec (Changes in Yellow)	JM		3/18/2021	DR
D	CELL: INR18650-35E change to CELL: LR1865HB, CHARGE CURRENT: 0.5C change to CHARGE CURRENT: 0.3C MAX REC. CHARGE CUT OFF: BY CURRENT 50mA OR TIMER 4H change to REC. CHARGE CUT OFF: BY CURRENT 67mA OR TIMER 6H	DR	27637	5/18/2021	DR
E	INTERNAL IMPEDANCE: ≤135 mΩ change to INTERNAL IMPEDANCE: ≤220 mΩ OVER CURRENT DETECTION: 3.5A to 6.5 A (20 to 28msec. DELAY) change to OVER CURRENT DETECTION: 4.0A to 7.0A (8 to 15msec. DELAY)	DR	27643	6/10/2021	DR
F	Update model to BL3500C1865001S1PCMK, charge current to 0.5CMax, update label drawing	DR	27773	2/27/2023	DR
G	Update label and model on title to 1INR19/73	DR		3/21/2023	DR
G1	Update on the label IEC to 1INR19/66	DR	27796	5/6/2023	DR
H	Add the updated EU battery compliant label and the Declaration page	DR	27859	2/17/2025	DR
I	Update the discharge temperature range from -10°C TO +60°C to -20°C TO +60°C	JH	RFI-178161	2/28/2025	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

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

Drawing Title: Li-Ion Battery Pack, 1S1P, 3350mAh

MODEL NO: 1INR19/73

PART NO: BL3500C1865001S1PCMK

REV I

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By customer signing or accepting this document, they agree to acknowledge, accept, AND REGULARLY REVIEW 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 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 use and integration by companies into their products and may not be used by consumers directly. GlobTek provides batteries and battery packs as a component of an end system.

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 AND PLASTIC HOUSING

CELL:	LR1865HB
PCM:	GLOBTEK STANDARD
NTC:	N/A
ID:	N/A
CONFIGURATION:	1S1P
WEIGHT:	APROX 45 G

2. ELECTRICAL SPECIFICATION:

RATED CAPACITY:	3350 mAh
NOMINAL VOLTAGE:	3.6
WATT-HOUR RATING:	12.06Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	4.2
CHARGE CURRENT:	0.5C MAX
REC. CHARGE CUT OFF:	BY CURRENT 67mA OR TIMER 6H
MAX. CONTINUOUS DISCHARGE CURRENT:	2A
REC. DISCHARGE CUT OFF:	2.8V
INTERNAL IMPEDANCE:	≤220 mΩ
EXP. CYCLE LIFE:	>500 CYCLES > 70% OF INITIAL CAP. (0.5C/0.5C)

CELL PROTECTION:

OVER CHARGE DETECTION:	4.25 ±0.03V (0.8 TO 1.2 SEC. DELAY, RESUME 4.19±0.03V)
OVER DISCHARGE DETECTION:	2.80 ±0.05V (130 to 160msec. DELAY, RESUME 3.0±0.05V)
OVER CURRENT DETECTION:	4.0A to 7.0A (8 to 15msec. 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:	60 ±25%RH

4. ENVIRONMENTAL AND SAFETY

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

5. CELL REGULATORY APPROVALS:

UL:	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 2013/56/EU EN61000-6-1:2007, EN61000-6-3:2007

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

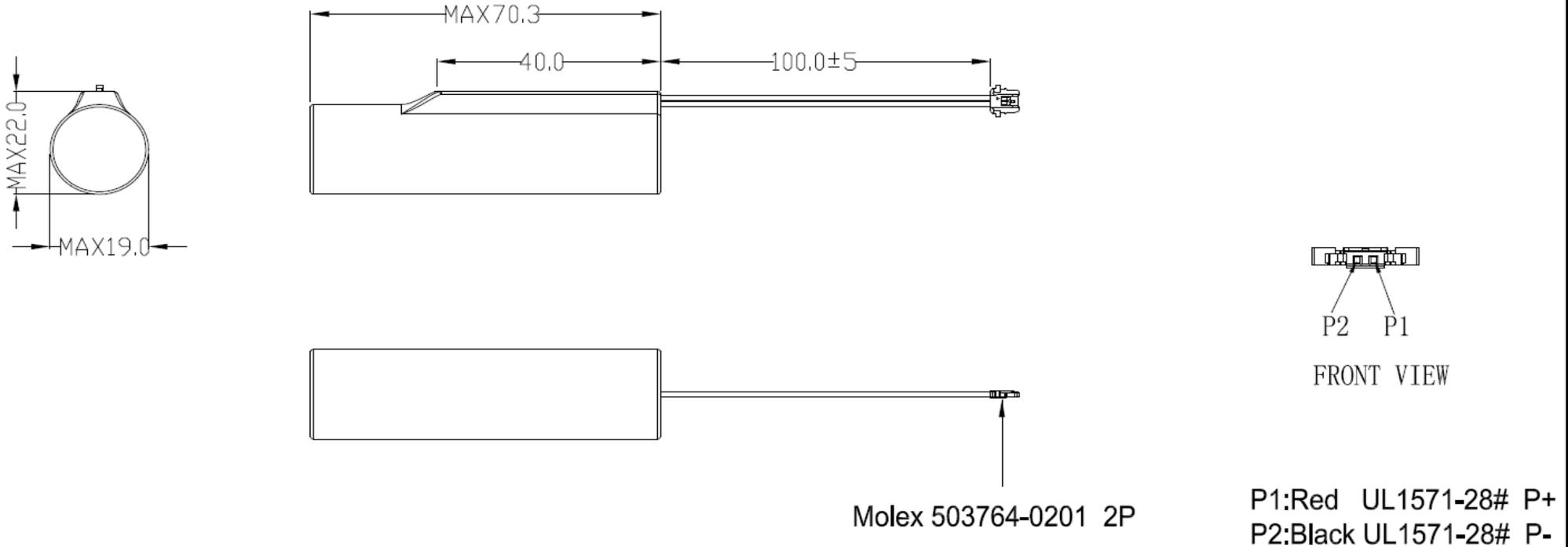


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6. MECHANICAL:

DIMENSIONS:	70.3(mm) x 19(mm) Max.
SHRINK WRAP:	Blue PVC with GlobTek Brand
WIRE TYPE:	UL1571- 28AWG
WIRE LENGTH:	100mm +/- 5.0
WIRE POLARITY:	RED POSITIVE (+)
WIRE POLARITY:	BLACK NEGATIVE (-)
STRIP LENGTH:	CUT BLUNT
TIN LENGTH:	N/A
ADDITIONAL REQUIREMENTS:	N/A



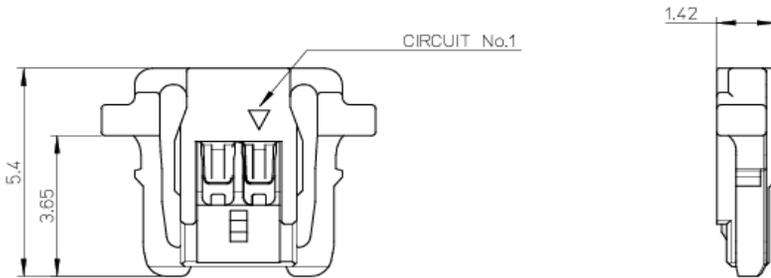
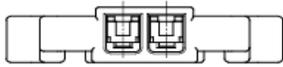
[ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE BY CLICKING THIS LINK.](#)
[STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE BY CLICKING THIS LINK](#)

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7. OUTPUT CONNECTOR:

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



	EQUIVALENT	Y / N	
PLUG TYPE		Y	Molex 503764-0201, 2 POS
OVER MOLD ORIENTATION		Y	with overmold
CONTACTS		Y	Molex 503765 (2 req'd)
PIN 1		Y	RED(+)
PIN 2		Y	BLACK(-)
ADDITIONAL REQUIREMENTS			N/A

[ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE BY CLICKING THIS LINK.](#)
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8. LABEL:

MATERIAL:	TBD
BACKGROUND COLOR:	WHITE
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	45.0 mm
LABEL HEIGHT: (mm)	18.0 mm
ADDITIONAL REQUIREMENTS:	N/A



QR Information

1. PN:BL3500C1865001S1PCMK
2. Capacity: 3350mAh 12.06Wh
3. <https://www.globtek.com/pdf/manual-datasheets/BL3500C1865001S1PCMK.pdf>

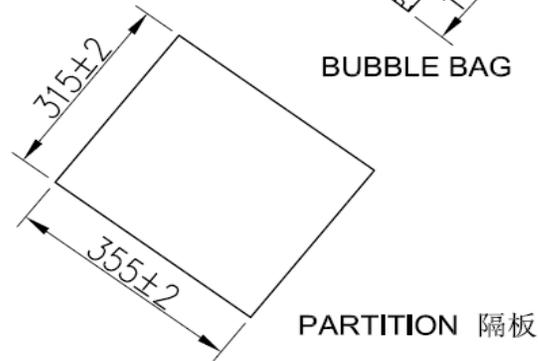
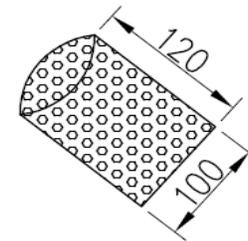
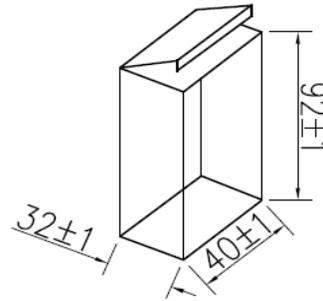
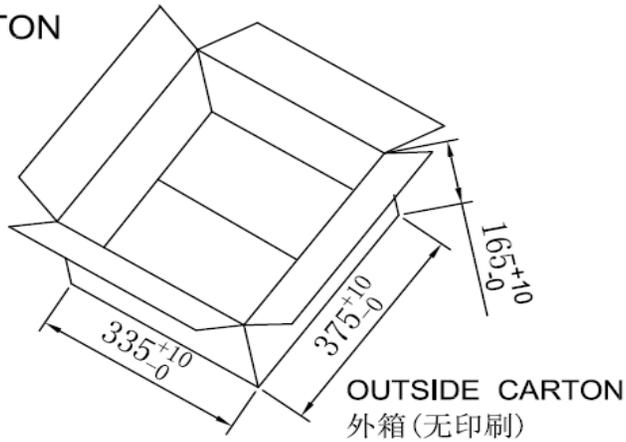
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9. PACKAGING:

PE BAG SIZE	120*100mm
CARTON SIZE:	335*375*165mm
QUANTITY PER CARTON:	128pcs
G.W.	TBD

128 PCS/CARTON



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MODEL NO: 11NR19/73

PART NO: BL3500C1865001S1PCMK

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Delivering leading edge, innovative power solutions since 1984

Declaration of Conformity to EU 2023/1542 battery labeling & waste management directive

GlobTek, Inc. Model, Part, Product Description
Part: BL3500C1865001S1PCMK Lithium -Ion Battery 3.6V, 3350mAh, 12.06Wh IEC Designation: 11NR19/73

GlobTek, Inc., presents this declaration, that the product listed meets Regulation (EU) 2023/1542 of the European Parliament and of the council 2023/1542 of 12 July concerning batteries and waste batteries, amending Directive 2008/98/EC and Regulation (EU) 2019/1020 and repealing Directive 2006/66/EC

Declaration for this specific battery part number:									
This battery bears the CE marking.	(Req 8/18/24)								
The battery does not contain Mercury, Cadmium or Lead Substances above the limits set in the EU battery regulation.	(Req 8/18/24)								
<table border="1"> <thead> <tr> <th>Substance</th> <th>Weight limit (w/w) %</th> </tr> </thead> <tbody> <tr> <td>Lead (Pb)</td> <td>0.004%</td> </tr> <tr> <td>Cadmium (Cd)</td> <td>0.002%</td> </tr> <tr> <td>Mercury (Hg)</td> <td>0.0005%</td> </tr> </tbody> </table>	Substance	Weight limit (w/w) %	Lead (Pb)	0.004%	Cadmium (Cd)	0.002%	Mercury (Hg)	0.0005%	
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Lead (Pb)	0.004%								
Cadmium (Cd)	0.002%								
Mercury (Hg)	0.0005%								
GlobTek, Inc. ensures this battery has labeling listing manufacturer, battery category, and any other hazardous substances present in the battery other than Mercury, Cadmium or Lead.	(Req 8/18/25)								
GlobTek, Inc. ensures that this battery has labeling listing it's capacity in mAh. 950mAh	(Req 8/18/26)								
This battery has a QR code with the required defined information. Link to the GlobTek Part Specification / Data Sheet	(Req 2/18/27)								
Conformity with the currently applicable articles is described in the technical documentation									
This battery has markings to identify the need for separate collection once they are waste.	(Req 12/31/27)								

This declaration by GlobTek, Inc has been issued after performing a conformity assessment under project: BL3500C1865001S1PCMK Checklist for EU 2023-1542 battery labeling compliance 9/11/24 thru 12/17/25

<p>GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07467 Tel. 201-784-1000 Fax 201-784-0111</p>	Drawing Title: Li-Ion Battery Pack, 1S1P, 3350mAh	
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Battery Pack Labeling: 400-03010068(R) BL3500C1865001S1PCMK LABEL Rev: A2 11/5/24

 GlobTek, Inc. www.globtek.com MODEL:11NR19/73 PN:BL3500C1865001S1PCMK	Weight: 45g Chemistry: NCA+Graphite+Silicon Usable extinguishing agent: Carbon dioxide fire extinguisher Critical raw materials: NCA/Graphite/Silicon
	Li-Ion Battery Pack 3.6V, 3350mAh, 12.06Wh
CAUTION: · May explode if disposed of in fire. · Use specified charger only. · Do not short circuit. · Do not disassemble.	
	  
11NR19/66 MADE IN CHINA YYYYMM	

This declaration does not exceed general terms and conditions of the sale unless specified below. Globtek makes no independent representations or warranties, expressed or implied, and assume no liability in connection with the use of this information.



Dave Duff (djd)
Director of Global Quality Assurance



GlobTek, Inc.
 Over 41 Years of Service Since 1984
 Corporate Headquarters
 186 Veterans Dr. Northvale, NJ 07647 USA
www.GlobTek.com

February 17, 2025

EU 2023/1542 battery labeling & waste management requirements declaration BL3500C1865001S1PCMK_R4:2/17/25

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