

Delivering leading edge, innovative power solutions for more than 30 years....

Model:BL3500C1865001S1P***** (1INR19/66)

April 27, 2024

3.6V 3350mAh 1S1P 18650 Cylindrical Li-Ion Battery Pack with options for connectors, housings, contacts or solder tables, IEC621333 certified

Information

Model Number	BL3500C1865001S1P***** (1INR19/66)
Description	BL3500C1865001S1P***** (1INR19/66), , Battery Cylindrical Can, Battery Li-Ion, , Input Rating: , , Output Rating: Watts, Power rating with convection cooling (W) , V in 0.1V increments, Approvals: Safe transport; UN38.3;

Model Picture



For Representation Only

Agency Documents	http://www.globtek.info/certs/BL3500C1865001S1PCMK/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a003a00000MnSxJEAV
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a003a00000MnSxJEAV
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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MODEL PARAMETERS


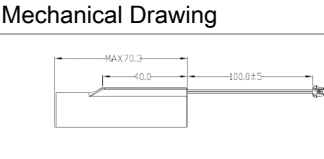

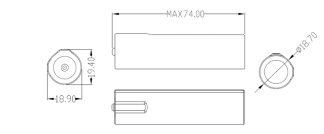

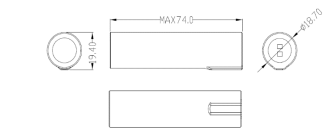

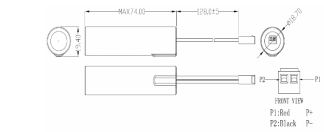



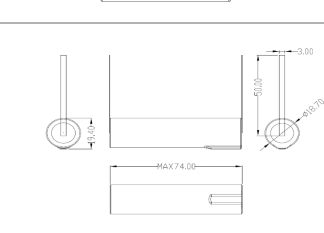
Type	Battery Cylindrical Can
Technology	Battery Li-Ion
Category	
Input Voltage	
I/P Amps (A)	
Wattage (W)	
Vout Range (V)	
Efficiency Level	
Ingress Protection	IPx0
Size (mm)	

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ENCLOSURE

Model	Image	Mechanical Drawing	Type
BL3500C1865001S1PCMK			1S1P 18650 CELL + WIRES + MOLEX CONNECTOR
BL3500C1865001S1PCMK***			1S1P 18650 CELL + Button top and contact
BL3500C1865001S1P*S****			1S1P 18650 CELL + Solder tab
BL3500C1865001S1P*C****			1S1P 18650 CELL + WIRES AND CUSTOMER SPECIFIC CONNECTOR
BL3500C1865001S1P*P****			1S1P 18650 CELL + Plastic enclosure (may be customized)
BL3500C1865001S1P*WN***			1S1P 18650 CELL + 2 welded insulated tabs

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
1INR19/73	V			RFQ
BL3500C1865001S1P	3.6 V	3.35	12.06	RFQ

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SPECIFICATIONS

GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:	LR1865HB
PCM:	GLOBTEK STANDARD+PTC:JK-P260 2.6A 16V
NTC:	N/A
ID:	N/A
CONFIGURATION:	1S1P

WEIGHT: APROX 45 G

2.ELECTRICAL SPECIFICATION FOR PACK:

RATED CAPACITY:	3350 mAh
NOMINAL VOLTAGE:	3.6V
WATT-HOUR RATING:	12.06Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE

MAX. CHARGE VOLTAGE 4.2V Max (4.1V Max recommended for maximizing life and health of battery cells and preventing premature [V]: failure)

CHARGE CURRENT: 0.3C recommended, 0.5C Maximum. For a deeply discharged cell with a voltage of 3.0V or less, a pre-charge current equal to or less than 0.1C is highly recommended.

PROPRIETARY INFORMATION

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<https://www.globtek.com/ds/jzuvZ8ziz3J/xuehdqBaKBZ.html>

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RECOMMENDED CHARGE CUT OFF:	When charge rate falls to 10% of bulk charge or by secondary charge termination such as a Timer as specified by customer which best suits the application and charging method to be used.
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MAX. CONTINUOUS DISCHARGE CURRENT:	2A
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RECOMMENDED DISCHARGE CUT OFF:	3.0v. GlobTek recommends a customer system level permanent fail protection if the cell voltage drops to 2.50V
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INTERNAL IMPEDANCE:	≤220 mΩ
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EXP. CYCLE LIFE:	>500 CYCLES > 70% OF INITIAL CAP. (0,5C/0,5C)
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CELL PROTECTION:	
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OVER CHARGE DETECTION:	4.25 ±0.03V
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	(0.8 TO 1.2 SEC. DELAY, RESUME 4.19±0.03V)
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OVER DISCHARGE 2.80 \pm 0.05V

DETECTION:

(130 to 160msec. DELAY, RESUME 3.0 \pm 0.05V)

OVER CURRENT 4.0A to 7.0A (8 to 15msec. DELAY)

DETECTION:

PRECONDITIONED AT YES
THE FACTORY

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:

CHARGE: 0 TO +45°C

DISCHARGE: -10 TO +60°C

CHARGE 1 YEAR AT -20 TO +20°C >80%
RETENTION/STORAGE
[%]:

3 MONTHS AT -20 TO +45°C >80%

1 MONTH AT -20 To +60°C >80%

HUMIDITY: 60 \pm 25%RH

4.ENVIRONMENTAL AND SAFETY

Please review quarterly and follow [HANDLING AND SAFETY PRECAUTIONS FOR Lilon & LiPolymer.](#)

5. CELL REGULATORY APPROVALS:

UL: UL1642

IEC 61960 Cell

designation and marking: 11NR19/66

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DERATING CURVE

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INPUT CONFIGURATION

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Approvals

Logo	Description
No Logo Applicable	Safe transport for BL3500C1865001S1PCMK Part III, Subsection 38.3 Drop test 1.2m in any orientation Package marked according to special provision 188
No Logo Applicable	Safe transport for BL3500C1865001S1PCMK Part III, Subsection 38.3 Drop test 1.2m in any orientation Package marked according to special provision 188