

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

Model:BL4500C21703S1P\*\*\*

May 18, 2024

## BL4500C21703S1P\*\*\*

### Information

Model Number	BL4500C21703S1P***
Description	BL4500C21703S1P***, , Battery Cylindrical Can, Battery Li-Ion, , Input Rating: , , Output Rating: Watts, Power rating with convection cooling (W) , V in 0.1V increments, Approvals:

### Model Picture



**For Representation Only**

### Agency Documents

CE EC-Declaration	<a href="https://www.globtek.com/pdf/ec_declaration/a0O3a00000MBO4XEAX">https://www.globtek.com/pdf/ec_declaration/a0O3a00000MBO4XEAX</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0O3a00000MBO4XEAX">https://www.globtek.com/pdf/rohs_cert/a0O3a00000MBO4XEAX</a>
REACH Declaration	<a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>

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**MODEL PARAMETERS**

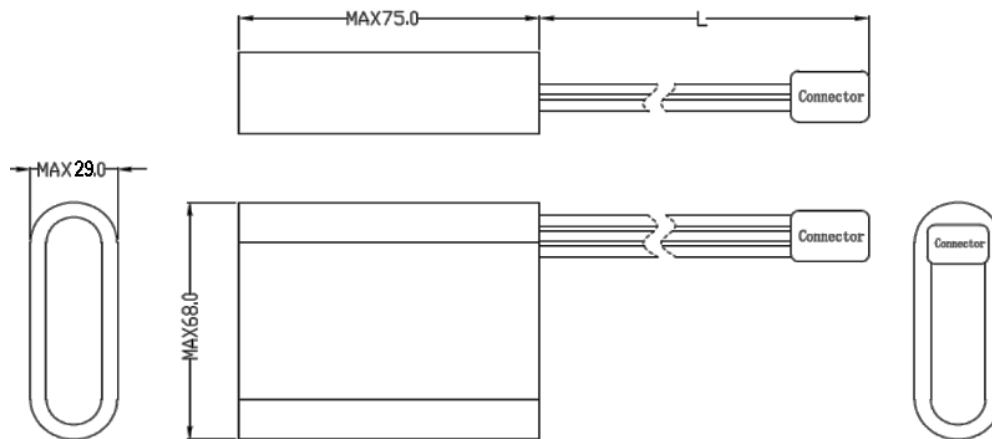
Type	Battery Cylindrical Can
Technology	Battery Li-Ion
Category	
Input Voltage	
I/P Amps (A)	
Wattage (W)	
Vout Range (V)	
Efficiency Level	
Ingress Protection	IPx0
Size (mm)	

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## ENCLOSURE



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## RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
BL4500C21703S1PGQT	V			<a href="#">RFQ</a>

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## SPECIFICATIONS

### GENERAL SPECIFICATION:

CELL:	LR2170SD
PCM:	BQ40Z50(Battery Fuel Gauge with Programmable Hardware Protection)
NTC:	N/A
ID:	N/A
CONFIGURATION:	3S2P
Fuel Guage	N/A
2.ELECTRICAL SPECIFICATION FOR PACK:	
RATED CAPACITY:	4500 mAh
NOMINAL VOLTAGE:	10.8V
WATT-HOUR RATING:	48.6Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	12.45V
CHARGE CURRENT:	2.5A Max
RECOMMENDED CHARGE CUT OFF:	BY CURRENT 250mA OR TIMER 8H
MAX. CONTINUOUS DISCHARGE CURRENT:	1C
RECOMMENDED DISCHARGE CUT OFF:	9V
INTERNAL IMPEDANCE:	≤150mΩ
EXP. CYCLE LIFE:	500 cycles (≥ 70% of 1st cycle capacity)
CELL PROTECTION:	
OVER CHARGE DETECTION:	4.225±0.05V/Cell (1 TO 5 SEC. DELAY, RESUME 4.025±0.05V/Cell)
OVER DISCHARGE DETECTION:	2.80 ±0.05V/Cell(1 TO 5 SEC. DELAY, RESUME 3.1±0.05V/Cell)
OVER CURRENT DETECTION:	5.5A to 6.5A (5 to 9SEC. DELAY) ,SHORT CURRENT DETECTION: 200-1200us DELAY
3. AMBIENT CONDITIONS	
TEMPERATURE RANGE:	
CHARGE:	0 TO +45°C
DISCHARGE:	-20 TO +60°C
CHARGE RETENTION/STORAGE [%]:	≤1 MONTH AT -20°C TO +50°C >80% ≤3 MONTHS AT 0°C TO +40°C >80% ≤1 year at 20°C ±20°C >80%
	60 ±25%RH
BATTERY STORAGE MAINTENANCE INTERVAL	(FOR BATTERIES STORED AT APPROX. 40% STATE OF CHARGE) Every 3 months @ -20°C TO 25°C Every 1 month @ -20°C TO 60°C
HUMIDITY:	45% - 75% RH PLEASE FOLLOW GlobTek, Inc. HANDLING

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<https://www.globtek.com/ds/DpL3BRYtAUP/PLxjc9eZi9A.html>

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## 4. ENVIRONMENTAL AND SAFETY

AND SAFETY PRECAUTIONS FOR Lilon &amp; LiPolymer.

## 5. RECOMMENDED CHARGING SOURCE SPECIFICATION:

CHARGING SOURCE INPUT VOLTAGE:

19-27 V from GlobTek Power supply designed to match this battery pack.

CHARGING SOURCE INPUT CURRENT:

1000mA

## 6. CELL REGULATORY APPROVALS:

CELL APPROVED TO UL 1642

## 7. BATTERY PACK APPROVALS:

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

CE Mark:

COMPLIES WITH 2004/108/EC ELECTROMAGNETIC COMPLIES WITH 2013/56/EU EN61000-6-1:2007, EN61000-6-3:2007

TRANSPORTATION:

Pack approved to UN38.3

Safety:

Designed to meet UL2054; IEC 62133

Cell designation: IEC 61960, marking: 4INR19/66-2

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## DERATING CURVE

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## INPUT CONFIGURATION



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## Approvals

Logo	
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