

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

Model:BL4500C2975673S1P***

May 11, 2025

BL4500C2975673S1P***

Information

Model Number	BL4500C2975673S1P***
Description	BL4500C2975673S1P***, , 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	https://www.globtek.com/pdf/ec_declaration/a0O3a00000MwIUMEA3
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000MwIUMEA3
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)	

PROPRIETARY INFORMATION

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<https://www.globtek.com/ds/Tq9kzbsbroy/rrRkHUDTMbr.html#datasheet>

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ENCLOSURE

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
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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:	3S1P
Fuel Guage	
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]:	12.375V(±50mV)
CHARGE CURRENT:	1.0A Max
RECOMMENDED CHARGE CUT OFF:	By current 250mA or timer 8H
MAX. CONTINUOUS DISCHARGE CURRENT:	5A
RECOMMENDED DISCHARGE CUT OFF:	9V
INTERNAL IMPEDANCE:	≤150mΩ
EXP. CYCLE LIFE:	750 cycles [≥ 70% of 1st cycle capacity, [12.375 - 8.4V, 0.2C charge / 0.2C discharge, +25°C]
CELL PROTECTION:	4.225 ±0.05V/Cell
OVER CHARGE DETECTION:	(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 YEAR AT -20 TO +20°C >80% 3 MONTHS AT -20 TO +40°C >80% 1 MONTH AT -20 To +60°C >80%
	60 ±25%RH
	(FOR BATTERIES STORED AT APPROX.

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BATTERY STORAGE MAINTENANCE INTERVAL

40% STATE OF CHARGE)

Every 3 months @ -20°C TO 25°C

Every 1 month @ -20°C TO 60°C

HUMIDITY:

60±25%RH

4.ENVIRONMENTAL AND SAFETY

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

5. RECOMMENDED CHARGING SOURCE SPECIFICATION:

CHARGING SOURCE INPUT VOLTAGE:

CHARGING SOURCE INPUT CURRENT:

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

UL:

Designed to meet UL2054; IEC 62133

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DERATING CURVE

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INPUT CONFIGURATION**PROPRIETARY INFORMATION**

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Approvals

Logo	
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