

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

Model:BL2600C186501S3P***

May 6, 2025

BL2600C186501S3P***

Information

Model Number	BL2600C186501S3P***
Description	BL2600C186501S3P*** , , 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	http://www.globtek.info/certs/BL3500C1865001S1PCMK/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O3a00000MBxv1EAD
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000MBxv1EAD
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/eFbvE5kGWGX/8yRsCqvbgSg.html#datasheet>

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ENCLOSURE

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
BL2600C186501S3PGCT	V			RFQ

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SPECIFICATIONS

GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:	LR1865SK
PCM:	HY2113+NCE2010E
NTC:	10K±1%
POLY SWITCH:	7.0A 12V
CONFIGURATION:	1S3P
WEIGHT:	TBD

2.ELECTRICAL SPECIFICATION FOR PACK:

RATED CAPACITY:	7800mAh Typical 7500(Minimum)
NOMINAL VOLTAGE:	3.65V
WATT-HOUR RATING:	8.47Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	4.2V Max, 4.1V suggested for safety purposes
CHARGE CURRENT:	0.2C (Standard); 0.5C(Max.)
RECOMMENDED CHARGE CUT OFF:	.02C or by timer approx. 6.5hours
MAX. CONTINUOUS DISCHARGE CURRENT:	7.0A
RECOMMENDED DISCHARGE CUT OFF:	3.0V
INTERNAL IMPEDANCE:	130 M
EXP. CYCLE LIFE:	>500 cycles > 80% of initial cap. (Charge 0.2C to 4.2V/Discharge 0.2C to 3.0V)
CELL PROTECTION:	

OVER CHARGE DETECTION: 4.28 ±0.025V

(Delay 0.15-4.6sec; release voltage 4.08±0.05V)

OVER DISCHARGE DETECTION: 3.0±0.1V

(Delay 36-290mSec; charging for restart)

OVER CURRENT DETECTION: 8.0-17.0A (Delay 4.5-18msec.; recovery cut load)

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:

CHARGE:	0 TO +45°C
DISCHARGE:	-20 TO +60°C
CHARGE RETENTION/STORAGE [%]:	1 YEAR AT -20 TO +25°C >80%
	3 MONTHS AT -20 TO +40°C >80%
	1 week at -20 to +65°C >80%
HUMIDITY:	60 ±25%RH

4.ENVIRONMENTAL AND SAFETY

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

5. CELL REGULATORY APPROVALS:

UL:	Certified to IEC62133
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6. BATTERY PACK APPROVALS:

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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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DERATING CURVE

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INPUT CONFIGURATION

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Approvals

Logo	
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