

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

Model:BL2600C186502S1P***

May 16, 2024

BL2600C186502S1P***

Information

Model Number	BL2600C186502S1P***
Description	BL2600C186502S1P***, , Battery Cylindrical Can, Battery Li-Ion, , Input Rating: , , Output Rating: Watts, Power rating with convection cooling (W) , V in 0.1V increments, Approvals: IEC 62133;

Model Picture



For Representation Only

Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O3a00000NKcyHEAT
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000NKcyHEAT
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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

Model:BL2600C186502S1P***

May 16, 2024

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)	

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

Model:BL2600C186502S1P***

May 16, 2024

ENCLOSURE

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

Model:BL2600C186502S1P***

May 16, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
--------------	---------	---------	----------	-----

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

Model:BL2600C186502S1P***

May 16, 2024

SPECIFICATIONS

GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:	LR1865SK
PCM:	BQ40Z50
NTC:	N/A
ID:	N/A
CONFIGURATION:	2S1P
WEIGHT:	APROX 100 g

2.ELECTRICAL SPECIFICATION FOR PACK:

RATED CAPACITY:	2600 mAh
NOMINAL VOLTAGE:	7.3V
WATT-HOUR RATING:	18.98Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	8.4V Max (8.2V Max recommended for maximizing life and health of battery cells and pre
CHARGE CURRENT:	0.3C recommended, 0.5C Maximum. For a deeply discharged cell with a voltage of 3.0V
RECOMMENDED CHARGE CUT OFF:	When charge rate falls to 10% of bulk charge or by secondary charge termination such as
MAX. CONTINUOUS DISCHARGE CURRENT:	1.5C
RECOMMENDED DISCHARGE CUT OFF:	3.0V/Cell. GlobTek recommends a customer system level permanent fail protection if the
INTERNAL IMPEDANCE:	150 m
EXP. CYCLE LIFE:	>300 CYCLES > 70% OF INITIAL CAP. (0,5C/0,5C)
CELL PROTECTION:	

OVER CHARGE DETECTION: 4.25 ±0.02V/Cell

(2 sec. DELAY, RESUME 4.10 ± 0.02V/cell)

OVER DISCHARGE DETECTION: 2.80 ±0.05V

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

OVER CURRENT DETECTION: 6A (5 sec. DELAY) SHORT CURRENT DETECTION: 500us 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%
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:	UL1642
IEC 61960 Cell designation and marking:	2ICR19/66

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/C4LKTqdxibp/ejvzwhwmNak.html>

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

Model:BL2600C186502S1P***

May 16, 2024

DERATING CURVE

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

Model:BL2600C186502S1P***

May 16, 2024

INPUT CONFIGURATION**PROPRIETARY INFORMATION**

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/C4LKTqdxibp/ejvzwhwmNak.html>

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

Model:BL2600C186502S1P***

May 16, 2024

Approvals

Logo	Description
	IEC 62133-2:2017, IEC 62133-2:2017/AMD1:2021 (IEC62133-2) for BL2600C186502S1P***