

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

Model:BL2600C186502S1PFQU

May 21, 2024

## BL2600C186502S1PFQU

### Information

Model Number	BL2600C186502S1PFQU
Description	BL2600C186502S1PFQU, , 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/a0O3a00000NprjxEAB">https://www.globtek.com/pdf/ec_declaration/a0O3a00000NprjxEAB</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0O3a00000NprjxEAB">https://www.globtek.com/pdf/rohs_cert/a0O3a00000NprjxEAB</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
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## 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 > 80% OF INITIAL CAP
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:	21NR19/66

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<https://www.globtek.com/ds/7vg4a7mkw3T/eMFk8dRy4eG.html>

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## DERATING CURVE

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**INPUT CONFIGURATION****PROPRIETARY INFORMATION**

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## Approvals

Logo	
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