

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

Model:BL2600C186501S1P***

May 17, 2024

BL2600C186501S1P***

Information

Model Number	BL2600C186501S1P***
Description	BL2600C186501S1P***, , 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/a0O3a00000MAzeqEAD
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000MAzeqEAD
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:BL2600C186501S1P***

May 17, 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)	

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/6hT8n5sojWP/k3zRQWkWbL9.html>

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

Model:BL2600C186501S1P***

May 17, 2024

ENCLOSURE

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

Model:BL2600C186501S1P***

May 17, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
BL2600C186501S1PG2T	V			RFQ
BL2600C186501S1PGJT	V			RFQ

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

Model:BL2600C186501S1P***

May 17, 2024

SPECIFICATIONS

GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:	CMICR18650F8
PCM:	R5478N218CD-TR-FF+AO8810
NTC:	N/A
ID:	N/A
CONFIGURATION:	1S1P
WEIGHT:	APROX 45 G

2.ELECTRICAL SPECIFICATION FOR PACK:

RATED CAPACITY:	2600 mAh
NOMINAL VOLTAGE:	3.6V
WATT-HOUR RATING:	9.36Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	4.2V
CHARGE CURRENT:	0.2C Max
RECOMMENDED CHARGE CUT OFF:	BY CURRENT 50mA OR TIMER 8H
MAX. CONTINUOUS DISCHARGE CURRENT:	1.5C
RECOMMENDED DISCHARGE CUT OFF:	3.0V
INTERNAL IMPEDANCE:	250 M
EXP. CYCLE LIFE:	>500 CYCLES > 70% OF INITIAL CAP. (0,5C/0,5C)
CELL PROTECTION:	
OVER CHARGE DETECTION:	4.3 ±0.02V (0.8 TO 1.2 SEC. DELAY, RESUME 4.1±0.03V)
OVER DISCHARGE DETECTION:	2.80 ±0.1V (76,8 to 115msec. DELAY, RESUME REMOVE LOAD & CHARGING CURRENT)
OVER CURRENT DETECTION:	4.5A to 8.5A (9.6 to 14.4msec. DELAY)

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:	
CHARGE:	0 TO +45°C
DISCHARGE:	-10 TO +60°C
CHARGE RETENTION/STORAGE [%]:	1 YEAR AT -20 TO +20°C >80% 3 MONTHS AT -20 TO +45°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
-----	--------

6. BATTERY PACK APPROVALS:

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/6hT8n5sojWP/k3zRQWkWB9.html>

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

Model:BL2600C186501S1P***

May 17, 2024

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

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

Model:BL2600C186501S1P***

May 17, 2024

DERATING CURVE

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

Model:BL2600C186501S1P***

May 17, 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/6hT8n5sojWP/k3zRQWkWbL9.html>

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

Model:BL2600C186501S1P***

May 17, 2024

Approvals

Logo	
------	--