

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

Model:BL2600C1865001S2P**L

May 18, 2024

BL2600C1865001S2P**L

Information

Model Number	BL2600C1865001S2P**L
Description	BL2600C1865001S2P**L, , 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/a0O3a00000NpovHEAR
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000NpovHEAR
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:BL2600C1865001S2P**L

May 18, 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:BL2600C1865001S2P**L

May 18, 2024

ENCLOSURE

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

Model:BL2600C1865001S2P**L

May 18, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
BL2600C1865001S2P	3.65 V	5.2	18.98	RFQ

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

Model:BL2600C1865001S2P**L

May 18, 2024

SPECIFICATIONS

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

Model:BL2600C1865001S2P**L

May 18, 2024

1.GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL: LR1865SK 2600mAh

PCM: GLOBTEK STANDARD

NTC: N/A

ID: N/A

CONFIGURATION: 1S2P

WEIGHT: APPROX 100g

2.ELECTRICAL SPECIFICATION FOR PACK:RATED CAPACITY: 5200 mAh

NOMINAL VOLTAGE: 3.65V

WATT-HOUR RATING: 18.98Wh

CHARGING METHOD: CONSTANT CURRENT + CONSTANT VOLTAGE

MAX. CHARGE VOLTAGE [V]: 4.2V

CHARGE CURRENT: 0.5C Max

REC. CHARGE CUT OFF: BY CURRENT 0.05C OR TIMER 6-8H

MAX. CONT. DISCHARGE CURRENT: 1.5C

REC. DISCHARGE CUT OFF: 3.0V

INTERNAL IMPEDANCE: $\leq 150 \text{ m}\Omega$

EXP. CYCLE LIFE: >500 CYCLES > 70% OF INITIAL CAP. (0.2C/0.2C)

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

Model:BL2600C1865001S2P**L

May 18, 2024

CELL PROTECTION:OVER CHARGE DETECTION: $4.25 \pm 0.03V$ (0.8 TO 1.2 SEC. DELAY, RESUME $4.05 \pm 0.05V$)OVER DISCHARGE DET: $2.50 \pm 0.05V$ (10 to 30msec. DELAY, RESUME $2.8 \pm 0.05V$)

OVER CURRENT DET: 8.0A to 15.0A (8 to 15msec. DELAY)

3. AMBIENT CONDITIONS**TEMPERATURE RANGE:**CHARGE: 0 TO $+45^{\circ}C$ DISCHARGE: -20 TO $+60^{\circ}C$ **CHARGE RETENTION/STORAGE [%]:**1 YEAR AT -20 TO $+20^{\circ}C$ $>80\%$ 3 MONTHS AT -20 TO $+40^{\circ}C$ $>80\%$ 1 MONTH AT -20 To $+60^{\circ}C$ $>80\%$ HUMIDITY: $60 \pm 25\%RH$ **4.ENVIRONMENTAL AND SAFETY**

PLEASE FOLLOW GlobTek, Inc. HANDLING AND SAFETY

PRECAUTIONS FOR Li Ion & Li Polymer.

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

Model:BL2600C1865001S2P**L

May 18, 2024

5. CELL REGULATORY APPROVALS:

UL: UL1642

6. BATTERY PACK APPROVALS:

RoHS: Compliant to RoHS 2 + 2.1/3

TRANSPORTATION: PACK DESIGNED TO MEET un38.3

UL: Designed to meet UL2054, IEC62133

IEC 61960 Cell designation and marking: 1INR19/66-2

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

Model:BL2600C1865001S2P**L

May 18, 2024

DERATING CURVE

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

Model:BL2600C1865001S2P**L

May 18, 2024

INPUT CONFIGURATION

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

Model:BL2600C1865001S2P**L

May 18, 2024

Approvals

Logo	
------	--