

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

Model:BL2600C18654S1P***

May 15, 2024

BL2600C18654S1P***

Information

Model Number	BL2600C18654S1P***
Description	BL2600C18654S1P***, , 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/a0O3a00000Mv7MgEAJ
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000Mv7MgEAJ
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)	

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ENCLOSURE

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
BL2600C18654S1PPQT	V			RFQ
BL2600C18654S1PGQG	V			RFQ

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SPECIFICATIONS

GENERAL SPECIFICATION:	BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING
CELL:	LR1865SK
PCM:	Globtek Standard
NTC:	10K NTC
ID:	N/A
CONFIGURATION:	4S1P
Fuel Guage	BQ40Z50-R2
2.ELECTRICAL SPECIFICATION FOR PACK:	
RATED CAPACITY:	2600 mAh
NOMINAL VOLTAGE:	14.6V
WATT-HOUR RATING:	37.96WH
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	16.6(±50mV)
CHARGE CURRENT:	1.0A
RECOMMENDED CHARGE CUT OFF:	By current 0.02C or timer 6.5H
MAX. CONTINUOUS DISCHARGE CURRENT:	1.0C
RECOMMENDED DISCHARGE CUT OFF:	11.2(±50mV)
INTERNAL IMPEDANCE:	≤300mΩ
EXP. CYCLE LIFE:	>300 cycles > 70% of rated capacity(CC charge 0.5C to 16.8V/Discharge 0.5C to 11.0V)
CELL PROTECTION:	4.25 ±0.025V/Cell
OVER CHARGE DETECTION:	(0.8 to 1.2 sec. delay, resume 4.10 ±0.05V)
OVER DISCHARGE DETECTION:	2.75 ±0.05V
OVER CURRENT DETECTION:	(0.8 - 1.2 sec. delay, resume remove load & charging current)
3. AMBIENT CONDITIONS	4.0A to 6.0 A (2 sec. delay)
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%
	60 ±25%RH
BATTERY STORAGE MAINTENANCE INTERVAL	(FOR BATTERIES STORED AT APPROX. 40% STATE OF CHARGE)
	Every 3 months @ -20°C TO 25°C
	Every 1 month @ -20°C TO 60°C

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HUMIDITY:	60±25%RH
4.ENVIRONMENTAL AND SAFETY	PLEASE FOLLOW GlobTek, Inc. HANDLING AND SAFETY PRECAUTIONS FOR Lilon & LiPolymer.
5. RECOMMENDED CHARGING SOURCE SPECIFICAT	
CHARGING SOURCE INPUT VOLTAGE:	18-20VDC
CHARGING SOURCE INPUT CURRENT:	2A
6. CELL REGULATORY APPROVALS:	CELL APPROVED TO UL 1642
7. BATTERY PACK APPROVALS:	
RoHS:	COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006
CE Mark:	COMPLIES WITH 2004/108/EC ELECTROMAGNETIC COMPATIBILITY INCLUDING BUT NOT LIMITED TO EN61000-6-1:2007, EN61000-6-3:2007
TRANSPORTATION:	Pack approved to UN38.3
Safety:	
Designed to meet UL2054; IEC 62281	
Cell designation: IEC 61960, marking: 4INR19/66	

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DERATING CURVE

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INPUT CONFIGURATION**PROPRIETARY INFORMATION**

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Approvals

Logo	
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