

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

Model:BL0105P2837171S1PCMT

May 21, 2024

BL0105P2837171S1PCMT

Information

Model Number	BL0105P2837171S1PCMT
Description	BL0105P2837171S1PCMT, , 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/a0O3a00000NpkcmEAB
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O3a00000NpkcmEAB
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
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SPECIFICATIONS

GENERAL SPECIFICATION:

CELL:	JHY261635
PCM:	MP23SB
NTC:	N/A
ID:	N/A
CONFIGURATION:	1S1P
WEIGHT:	APROX 3.0g
2.ELECTRICAL SPECIFICATION FOR PACK:	
RATED CAPACITY:	105 mAh
NOMINAL VOLTAGE:	3.7V
WATT-HOUR RATING:	0.388Wh
CHARGING METHOD:	CONSTANT CURRENT + CONSTANT VOLTAGE
MAX. CHARGE VOLTAGE [V]:	4.2V
CHARGE CURRENT:	50mA, 105mA Max
RECOMMENDED CHARGE CUT OFF:	BY CURRENT 5mA OR TIMER 2.5H
MAX. CONTINUOUS DISCHARGE CURRENT:	105mA
RECOMMENDED DISCHARGE CUT OFF:	3.0V
INTERNAL IMPEDANCE:	≤500 mΩ
EXP. CYCLE LIFE:	>300 CYCLES > 80% OF INITIAL CAP. (0,2C/0,2C)

CELL PROTECTION:

OVER CHARGE DETECTION:	4.28 ±0.05V
OVER DISCHARGE DETECTION:	3.0 ±0.1V

3. AMBIENT CONDITIONS

TEMPERATURE RANGE:

CHARGE:	0 TO +45°C
DISCHARGE:	-10 TO +60°C
CHARGE RETENTION/STORAGE [%]:	1 YEAR AT -10 TO +25°C ≥85%
	6 MONTHS AT -10 TO +45°C ≥85%
	1 MONTH AT -10 To +55°C ≥90%

60 ±25%RH

(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

HUMIDITY:

60±25%RH

PLEASE FOLLOW GlobTek, Inc. HANDLING
AND SAFETY PRECAUTIONS FOR Lilon &
LiPolymer.

4. ENVIRONMENTAL AND SAFETY

PROPRIETARY INFORMATION

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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 COMPLIES WITH
2013/56/EU EN61000-6-1:2007,
EN61000-6-3:2007

TRANSPORTATION:

Pack approved to PACK DESIGNED TO
MEET un38.3

UL: Design to meet UL2054, IEC62133

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DERATING CURVE

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INPUT CONFIGURATION

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Approvals

Logo	
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