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REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	Initial Release	SV	26926	10/11/2017	DR
B	Change 4 digit serial number on the label	SV	26957	11/14/2017	DR
C	Update fuel gauge from BQ20Z70 to BQ40Z50. Update battery dimensions from 65.2*74.0*25mm (Max.) to 67*26.5*76mm(Max.); add 10K NTC	SV	27049	4/3/2017	DR
D	Update label detailing of number starting	SV	27053	4/9/2018	DR
E	Added "Caution Statement to page 1	SV	27073	4/27/2018	DR
F	Change max charging voltage from 16.8V to 16.4V; add IEC code to Model No.; Change Charger Input from 16-20VDC to 18-20VDC	SV	27276	2/14/2019	DR
	Change fuel gauge P/N from BQ40Z50 to BQ40Z50-R1.				

See Page 2 for important battery warranty and usage information.

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek terms and conditions, which supersede all other agreements, terms and conditions (<http://en.globtek.com/terms-and-conditions/>).

Lithium Ion batteries are inherently dangerous. Continuous usage or charging without allowing the battery to discharge is a hazard.

FIRE HAZARD: This like all Li-Ion battery packs must be regularly discharged and charged. it is not recommended to be kept on permanent full charge and in a full state of charge.

RELEASED

By pudxc at 3:47 pm, May 01, 2019

Foot Note:

Globtek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

Limitation of Use:

Globtek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of Globtek Inc.

Contents of this document are subject to change without prior notice

 GlobTek, Inc.
www.globtek.com

186 Veterans Drive, Northvale, NJ 07467
Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion Battery with Fuel Gauge and Built - In Charger

14.8 Volts @ 2600mAh

Model No.: BL2600C18654S1PGQG (4ICR19/65)

Part No.: BL2600C18654S1PGQG

Rev. F

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By customer signing or accepting this document, they agree to acknowledge and accept the **Guidelines and cautions, Safety Notes, and Safety Precautions published on GlobTek's website** http://en.globtek.com/safety-cautions.php#.UUD-NRzU_I8

GlobTek offers a 5-year warranty on workmanship and electrical components assembly on all new battery pack products excluding the battery cells themselves which are covered by the Manufacturer's original warranty at their published warranty period. Please refer to the manufacturer's manufacturer's warranty policy for cells. For GlobTek brand cells, GlobTek provides a 12-month warranty for Li-Ion batteries. The warranty period is based upon the expectation that the battery will deliver 80% of its initial capacity after 300 cycles at low to moderate power loads. High power loads may cause a battery to reach 80% of initial capacity in less than the 12-month warranty period. Li-Ion batteries will continue to operate below the 80% capacity threshold; however, the capacity (run time) delivered between charges will continue to decrease.

The purchaser of this product (Customer) agrees that it is their sole responsibility to determine suitability of the product described for their application and to take precautions for protection against any hazards attendant to the handling and use of the product. Products sold are not returnable. GlobTek, Inc. will produce or provide its products to our published specifications. The purchaser of this product (Customer) shall be solely responsible for determining the products' fitness for use in their applications.

Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.

A delay in receipt of this form will delay delivery schedule.

Company Name:

Customer P/N:

Quote Number:

Date:

Authorized Representative Name:

Authorized Representative Signature:

 GlobTek®, Inc.

www.globtek.com

186 Veterans Drive, Northvale, NJ 07467

201-784-1000 Fax 201-784-0111

Drawing Title: Li-Ion Battery with Fuel Gauge and Built-In Charger

14.8 Volts @ 2600mAh

Tel. Model No.: BL2600C18654S1PGQG (4ICR19/65)

Part No: BL2600C18654S1PGQG

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1. GENERAL SPECIFICATION:

Battery with safety circuit, charger and fuel gauge:

CELL:	ICR18650-26
PCM:	Globtek Standard
NTC:	10K NTC
ID:	N/A
Fuel Guage	PN: BQ40Z50-R1
Configuration:	4S1P

2. ELECTRICAL SPECIFICATION FOR PACK:

RATED CAPACITY:	2600mAh(Typical); 2500mAh(Min)□
NOMINAL VOLTAGE:	14.8 Volts
WATT-HOUR RATING:	38.48WH
CHARGING METHOD:	Constant Current; Constant Voltage
MAX. CHARGE VOLTAGE [V]:	16.4(±50mV)
CHARGE CURRENT:	1.0A
REC. CHARGE CUT OFF:	By current .01C or timer 6.5H
MAX. CONTINUOUS DISCHARGE CURRENT:	1.0C
REC. DISCHARGE CUT OFF:	11.0(±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:

OVER CHARGE DETECTION:	4.25 ±0.025 volts (0.8 to 1.2 sec. delay, resume 4.10 ±0.05V)
OVER DISCHARGE DETECTION:	2.50 ±0.05 volts (76.8 - 115 msec. delay, resume remove load & charging current)
OVER CURRENT DETECTION:	4.0A to 6.0 A (2 sec. delay)

3. CHARGER SPECIFICATIONS:

CHARGER INPUT:	18-20VDC
CHARGER INPUT CURRENT:	2A

4. AMBIENT CONDITIONS

TEMPERATURE RANGE:	
CHARGE:	0 to +45°C
DISCHARGE:	-20 to +60°C
CHARGE RETENTION/STORAGE [%]:	≤1 year -20 to +25°C >80% ≤3 months -20 to +40°C >80%

HUMIDITY:	60±25%RH
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5. ENVIRONMENTAL AND SAFETY

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

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 and IEC62133:2012 (2nd edition)
Safety:	Designed to meet UL2054; IEC 62281



PROPRIETARY INFORMATION:

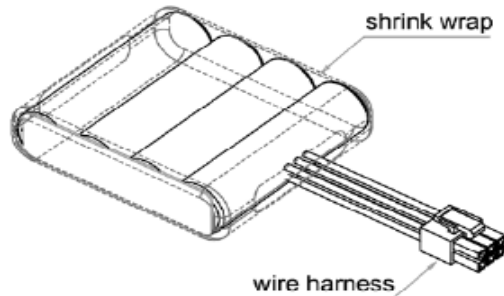
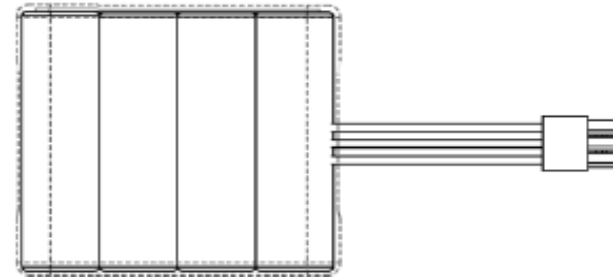
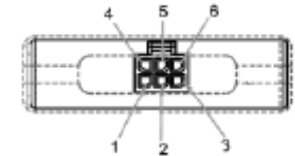
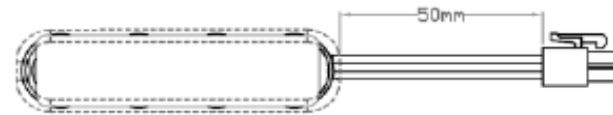
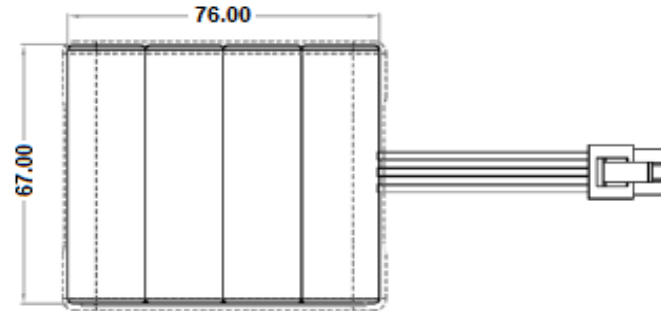
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8. MECHANICAL:

DIMENSIONS:	67.0mm x 76.0 mm x 26.5mm (Max)
SHRINK WRAP:	PVC
WIRE TYPE:	UL1007 20AWG
WIRE LENGTH:	50mm ± 5.0 mm
P1 WIRE POLARITY:	Vin + (Red)
P2 WIRE POLARITY:	DC Common (Black)
P3 WIRE POLARITY:	SMBC (Clock Data) (Yellow)
P4 WIRE POLARITY:	SMBD (Data Line) (Green)
P5 WIRE POLARITY:	BAT + (Red)
L6 WIRE POLARITY:	DC Common (Black)
CONNECTOR TYPE:	Molex 43025-0600
STRIP LENGTH:	N/A
TIN LENGTH:	N/A
ADDITIONAL REQUIREMENTS:	N/A

Internal Fuel Gauge with SMBus

Internal Charger for Plug+Play



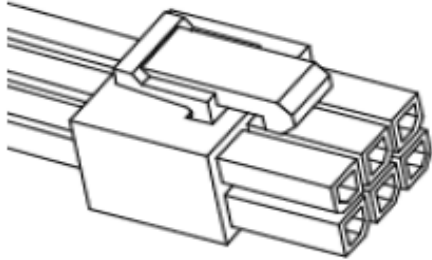
[ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE BY CLICKING THIS LINK.](#)
[STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE BY CLICKING THIS LINK](#)

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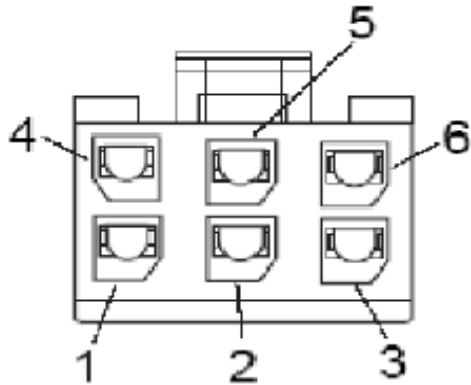
7.CONNECTOR:

ACTUAL CONNECTOR'S, OVERMOLDS, MAY VARY SLIGHTLY FROM THE PICTURE BELOW



	EQUIVALENT	Y / N	
PLUG TYPE		Y	MOLEX 43025-0600
HOUSING TYPE			FEMALE
TERMINALS		Y	MOLEX 43030-0001
TERMINAL TYPE			FEMALE
OVER MOLD ORIENTATION			N/A
PLUG DIMENSIONS			N/A
BARREL PLUG INTERNAL SPRING CLIP			N/A
BARREL PLUG LOCKING NOTCH			N/A
POLARITY			N/A
ADDITIONAL REQUIREMENTS			N/A

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Internal Fuel Gauge with SMBus

Internal Charger for Plug+Play

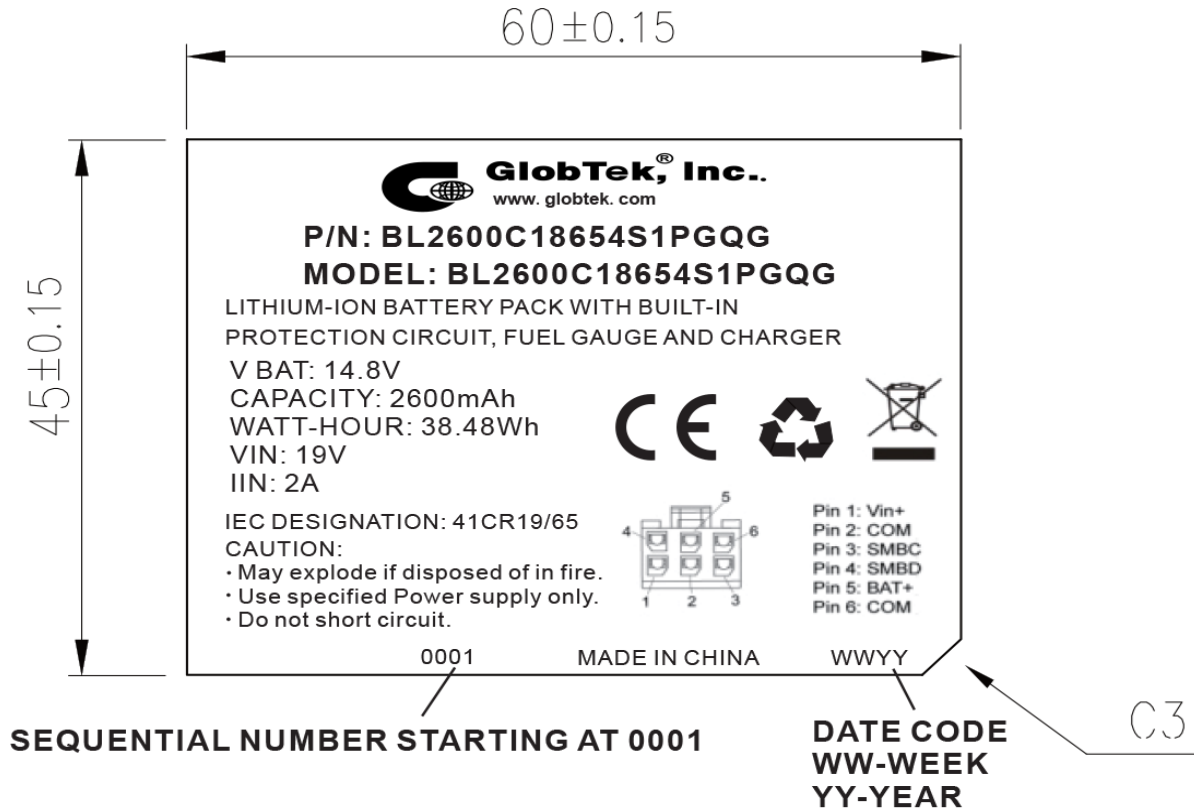
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MATERIAL:	Flat thermal transfer polyester sheet
BACKGROUND COLOR:	WHITE or SILVER
TEXT COLOR:	BLACK
LABEL WIDTH: (mm)	60±5mm
LABEL HEIGHT: (mm)	45±5mm
ADDITIONAL REQUIREMENTS:	N/A
ADDITIONAL REQUIREMENTS:	N/A

Internal Fuel Gauge with SMBus

Internal Charger for Plug+Play



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9. PACKAGING:

PE BAG SIZE	TBD
CARTON SIZE:	TBD
QUANTITY PER CARTON:	TBD
G.W.	TBD

