

Model:GTM930482LI1C2000

May 9, 2024

## Li-Ion Lithium Battery Charger offers 2 independent charger outputs allowing users to charge 2 battery packs at once

### Information

Model Number	GTM930482LI1C2000
Description	GTM930482LI1C2000ZML is a 16.8W hybrid desktop / wall plug-in charger which is Internationally Certified and LPS Approved in either Class I or Class II Desktop configuration. This high-density hybrid charger offers 2 independent Li-Ion charging channels, as well as three modes of operation: Pre-Charge, Fast Charge and Trickle Charge with typical charging currents during fast charge of 2.0A per channel! Charging status is indicated by RED and GREEN LEDs for easy monitoring. The charger may be optimized to with charging settings which perfectly match the battery to be charged.

### Model Picture



Agency Documents	<a href="https://www.globtek.info/certs/GTM930482LI1/">https://www.globtek.info/certs/GTM930482LI1/</a>
CE EC-Declaration	<a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000JCqYiEAL">https://www.globtek.com/pdf/ec_declaration/a0Oa000000JCqYiEAL</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000JCqYiEAL">https://www.globtek.com/pdf/rohs_cert/a0Oa000000JCqYiEAL</a>
REACH Declaration	<a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>

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

Model:GTM930482LI1C2000

May 9, 2024

**MODEL PARAMETERS**

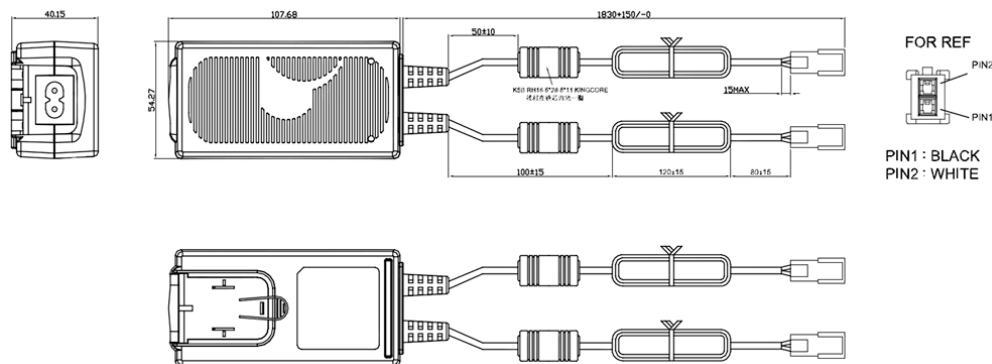
Type	Wall Plug-in+Desktop Combination
Technology	Li-Ion Battery Charger
Category	ICT / ITE / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	16.8
Vout Range (V)	2 Ch:4.2V@0-2.0
Efficiency Level	
Ingress Protection	Indoor Use
Size (mm)	102*46*37

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

Model: GTM930482LI1C2000

May 9, 2024

## ENCLOSURE



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

Model:GTM930482LI1C2000

May 9, 2024

## RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
a17a000000LICxh	V			<a href="#">RFQ</a>

Model:GTM930482LI1C2000

May 9, 2024

## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS per each channel:

01. Charging Voltage: 4.2Vdc, +/-5% Maximum
02. Pre-charger current : 400±50mA
03. Bulk Charge Current: 2.0 A, ±10%
04. Pre-Charge to Bulk Charge transition voltage: 2.85V-2.95V
05. Transition voltage: 2.85Vdc to 2.95Vdc
06. Battery Charging Ambient Temperature: 0°C to 35°C
07. Charge termination current: 300±50mA
08. Back-up charge termination : timer set to 4.5 hours ±10%
09. Charger will terminate charging when timer expired
10. Battery Protection: see section B
11. LED Charge Status Indicator
  - a. Pre-Charge: Solid Red
  - b. Bulk Charge: Solid Red
  - c. Charge Complete: Solid Green
  - d. No battery or Fault: Green and Red LED off

### B) PROTECTION\*

01. Short Circuit Protection: Charger will not commence charging when BAT+ and BAT- are shorted.
02. Over Temperature Protection: No thermistor connected to battery pack. OTP is inside the charger only.
03. Reverse Battery Protection: Battery should be mechanically protected from being installed reversed.
04. Defective Battery Protection: If battery voltage will not rise above the pre-charge to bulk charge transition voltage (2.85Vdc to 2.95Vdc) within 20 minutes from the time pre-charging begins, the battery is considered defective and the charger will terminate charging.

\*When fault condition occurs, the battery has to be removed from the charger and reinstalled after at least 3 seconds to reset the protection. Charging will commence after battery reinstallation only when the fault is cleared.

### C) SAFETY

1. Dielectric Withstand Voltage: 5656 Vdc from primary to secondary
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)

### D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 35°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 70°C
05. Cooling: Convection

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 54.27 x 107.68 x 40.15 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

## 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/aBcX6GWrp/QuTtFHwZ2iq.html>

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

Model:GTM930482LI1C2000

May 9, 2024

## DERATING CURVE

---

N/A

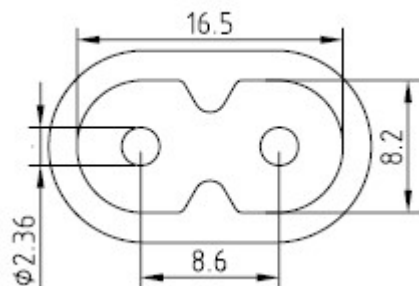
---

Model:GTM930482LI1C2000

May 9, 2024

## INPUT CONFIGURATION

Description IEC 60320/C8 AC Inlet connector

[Blade Insertion Instructions](#)
[R-Blade Style Instruction Video](#)


Mates with IEC 60320/C8 Plug

This series of Interchangeable Blade products may be used with Proprietary Interchangeable Blades as described below or with standard international power cords.

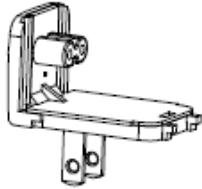
Optional INPUT BLADES: R-Socket: below are available blades configurations which are "not included" (unless stated above); may be purchased separately, packaged with power supply, or as a separate "R-KIT" if specified

# Part Number	Main Country/Region	Plug	IECEE Type
1 <a href="#">R-NA-2(R)</a>	North America, Japan	Nema 1-15P	Type A
2 <a href="#">R-SAA-2(R)</a>	Australia/New Zealand	AS/NZ 3112	Type I
3 <a href="#">R-UK-2(R)</a>	United Kingdom/Ireland	UK, Hong Kong, Singapore, Gulf States	Type G
4 <a href="#">R-EU-2(R)</a>	Europe	CEE 7/16	Type C
5 <a href="#">R-CN-2(R)</a>	China	GB 2099	Type A
6 <a href="#">461-03030003(R)</a>	N/A	<a href="#">R-DI(R) Desktop Insert for use with a cord</a>	N/A
7 <a href="#">R-KIT-2(R)</a>	prepackaged kit	1,2,3,4 above	N/A
8 <a href="#">R-KIT-2-INTL(R)</a>	prepackaged kit	2,3,4 above	N/A

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

Model:GTM930482LI1C2000

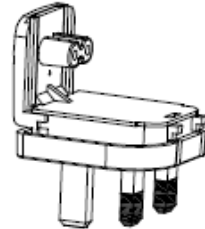
May 9, 2024



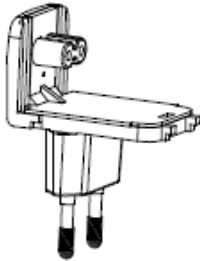
## UL 2P

P/N: R-NA-2(R)  
NORTH AMERICA  
JAPAN

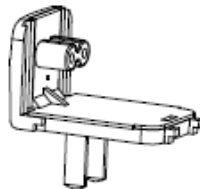

## AUS 2P

P/N: R-SAA-2(R)  
AUSTRALIA


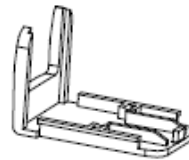
## UK 2P

P/N: R-UK-2(R)  
UNITED KINGDOM  
HONG KONG  
SINGAPORE


## EU 2P

P/N: R-EU-2(R)  
EUROPE  
SOUTH AMERICA


## CN 2P

P/N: R-CN-2(R)  
CHINA


## R-DI

P/N: R-DI  
DESKTOP INSERT

### Standard Cordsets

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

### Standard International IEC 320/C7 Cordsets

Part Number	Country	Plug	Connector	Length (mm)	Length (feet)
<a href="#">2094112M703(R)</a>	Argentina (Type I)	IRAM 2063	IEC 320/C7	2000	7
<a href="#">5014112M703A(R)</a>	Australian (Type I)	AS 3112	IEC 320/C7	2000	7



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

Model:GTM930482LI1C2000

May 9, 2024

<a href="#">207B4111M8703(R)</a>	Brazil (Type N)	NBR14136	IEC 320/C7	1800	6
<a href="#">4533501M8703(R)</a>	China (Type A)	GB 2099.1	IEC 320/C7	1830	6
<a href="#">2074112M703A(R)</a>	European (Type C)	CEE 7/16	IEC 320/C7	2000	7
<a href="#">2084111M8703(R)</a>	South Africa (Type M)	BS 546	IEC 320/C7	1800	6
2084111M8703B(R)	India (Type D)	ISI:1293	IEC 320/C7	1800	6
<a href="#">2714111M8703A(R)</a>	India (Type C)	ISI:1293	IEC 320/C7	1800	6
<a href="#">451J3401M8703(R)</a>	Japan (Type A)	JIS 8303	IEC 320/C7	1830	6
<a href="#">2044112M703A(R)</a>	Korea (Type C)	KS C8305	IEC 320/C7	2000	7
<a href="#">4511116F703A(R)</a>	N. American (Type A)	NEMA 1-15P	IEC 320/C7	1830	6
<a href="#">4033401M8703A(R)</a>	Taiwan (Type A)	CNS690	IEC 320/C7	1830	6
<a href="#">6104112M703A(R)</a>	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C7	2000	7

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

Model:GTM930482LI1C2000

May 9, 2024

## OUTPUT CONFIGURATION

Common output connector options:



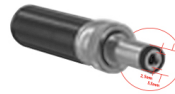
L Type (Coaxial  
5.5x2.5mm plug)



C Type (Coaxial  
5.5x2.1mm plug)



K Type (Coaxial  
3.5x1.3mm plug)



LL Type (5.5x2.5mm  
Locking 760k type)



CL Type (5.5x2.1mm  
Locking S761k type)



ML2 Type (Molex  
housing 43025-0200)



YL3 Type  
(KPPX-3P)



YL4 Type (KPPX-4P)



EJ1/2/3/4/5 (EIAJ  
RC-5320A type  
connectors)



MSB Type (Micro  
USB)



USBC Type (USB  
Type C)



Inquire for custom  
design

For a comprehensive list of options, [click here](#)










Contact GlobTek for your specific requirements or custom solutions.

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

Model:GTM930482LI1C2000

May 9, 2024

## Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
No Logo Applicable	CB for IEC 62368-1:2018
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mark is on the label or Molded in the case
	CHINA SJ/T 11364-2014, China RoHS Chart: <a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf</a>
	Double Insulation - Mark is on the label or Molded in the case
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	Indoor Use Only - Mark is on the label or Molded in the case
 GlobTek, Inc.	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25).Please follow the procedure listed in the following link for proper import to Japan: <a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a>
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>
 10276	Ukraine UKR Sepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
	Japan: Voluntary Control Council for Interference (VCCI)

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

Model:GTM930482LI1C2000

May 9, 2024



WEEE: Complies with EU 2012/19/EU ([http://ec.europa.eu/environment/waste/weee/index\\_en.htm](http://ec.europa.eu/environment/waste/weee/index_en.htm))  
Mark is on the label or Molded in the case