

Model:GTM21097CCWWVV

May 11, 2025

SLA Lead Acid Battery Charger, Desktop, Medical and ICT, 3 Prongs Input

Information

Model Number	GTM21097CCWWVV
Description	GTM21097CCWWVV, Medical Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 50 Watts, Power rating with convection cooling (W) , 3.3-48V in 0.1V increments, Approvals: EAC; Book 60601; CB 60601-1; CE; China RoHS; Class I; IP42; PSE; RoHS; Ukraine; VCCI; WEEE; cRUus; FCC; Korea (12V Only);
Model Picture	
Agency Documents	http://www.globtek.info/certs/GTM21097/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a00a000000LNLeBEAX
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a00a000000LNLeBEAX
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	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.6A Max
Wattage (W)	50.0
Vout Range (V)	3.3-48
Efficiency Level	Meets/Exceeds for Medical
Ingress Protection	
Size (mm)	

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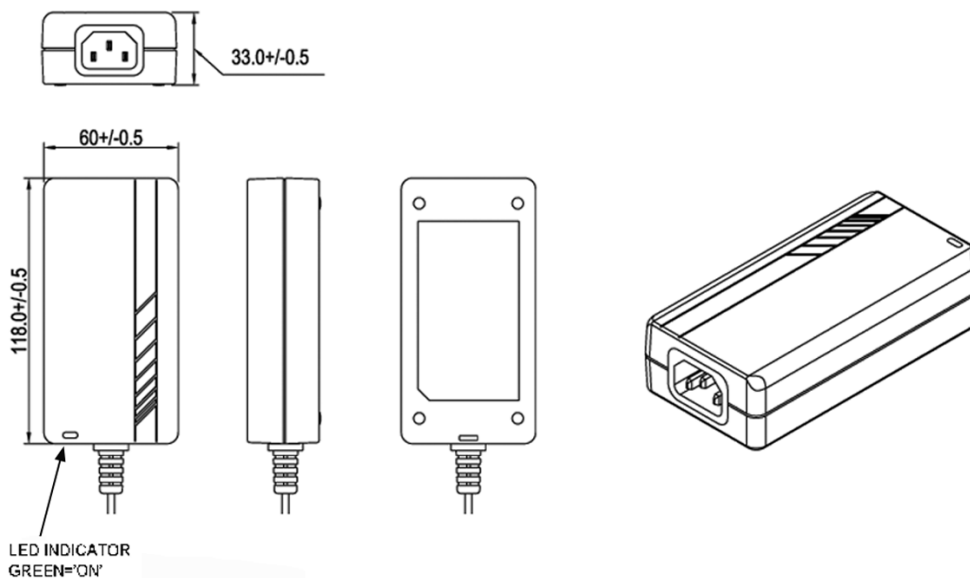
<https://www.globtek.com/ds/4UphuVD9bRH/k7UrqUbhCJt.html#datasheet>

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ENCLOSURE



Indicator color:
Amber: Charging
Green: Charged

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM21097CC2003	3.3 V	6	19.80	RFQ
GTM21097CC3005	5 V	6	30.00	RFQ
GTM21097CC4509	9 V	5	45.00	RFQ
GTM21097CC5012	12 V	4.17	50.04	RFQ
GTM21097CC5015-1.3	13.7 V	1.6	21.92	RFQ
GTM21097CC5015-1.2	13.8 V	3.6	49.68	RFQ
GTM21097CC5015-1.2	13.8 V	0.5	6.90	RFQ
GTM21097CC4115-1.2	13.8 V	3	41.40	RFQ
GTM21097CC6015-0.8	14.2 V	4	56.80	RFQ
GTM21097CC-3015-0.3	14.7 V	2.1	30.85	RFQ
GTM21097CC5015-0.3	14.7 V	2.1	30.87	RFQ
GTM21097CC-5015	15 V	3.3	49.50	RFQ
GTM21097CC5018	18 V	2.8	50.40	RFQ
GTM21097CC5024	24 V	2.1	50.40	RFQ
GTM21097CC5048-20.2	27.8 V	0.8	22.24	RFQ
GTM21097CC5048-18.3	29.7 V	0.8	23.76	RFQ
GTM21097CC5048	48 V	1	48.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Constant Current Regulation: +/- 5%
4. Output Voltage Regulation: +/- 5% measured at the output connector
5. Line Voltage Regulation: +/- 1% typical measures at full load
6. Output Ripple (Vp-p): 1% of output voltage typical measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
7. Turn-On/Turn-Off Overshoot: 5% maximum, mS typical recovery time for 25% step load
8. Turn-On Delay: 1 S second typical
9. Hold-Up Time: 10mS typical @ nominal input voltage & full load
10. Inrush Current: 20A typical @ 115Vac input ; 30A typical @ 230Vac input
11. Switching Frequency: 100 KHz typical

B) PROTECTION

1. Over-Voltage: Voltage limited by crowbar unit will recover upon removal of fault
2. Short Circuit: Hiccup, unit will recover upon removal of fault
3. Input Protection: Input line & neutral fusing

C) SAFETY

1. Dielectric Withstand Voltage: 4242Vdc (2xMOOP) from primary to secondary
2. Earth Leakage Current: Did not exceed 5 mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION
3. Touch Current: Did not exceed 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
5. Earth Ground: Functional (Class I, (3) Pin Inlet)

D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: -10°C to 80°C
5. Ingress Protection: IPX0

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 118*60*33 ± 0.5 mm
4. Green LED to indicate Power On

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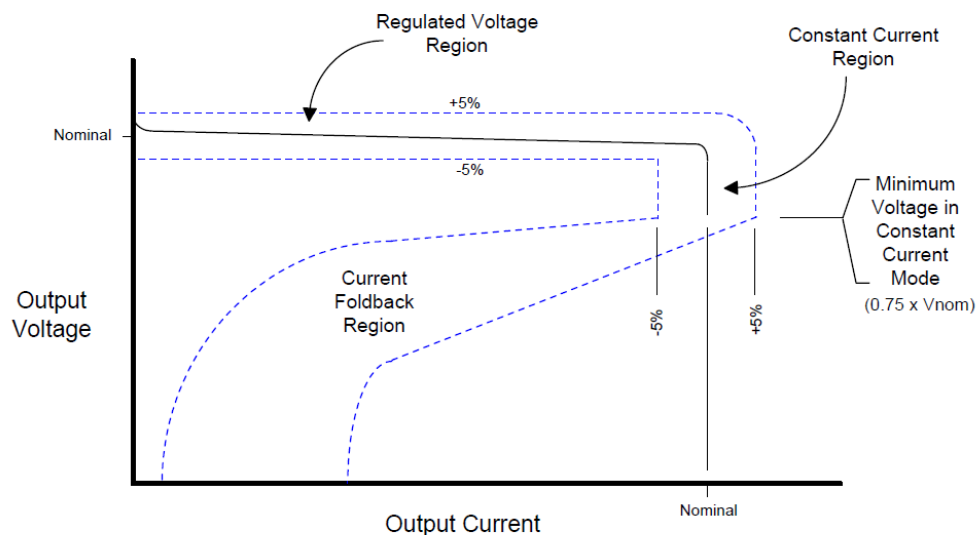
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F) Voltage-Current Characteristic chart



NOTES:

1. UNITS HAS ITS OUTPUT COMMON CONNECTED TO EARTH BY DEFAULT OR WITH OPTION OF CAPACITOR INSERTED BETWEEN EARTH AND OUTPUT COMMON.
2. MINIMUM OUTPUT LOAD IS 100K OHMS.

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DERATING CURVE

The derating curve is not applicable, since this is constant current model.

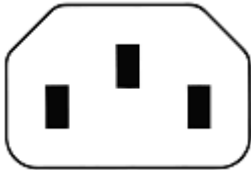
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INPUT CONFIGURATION

Description IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle and cord option available on some models by request.:



[Standard International IEC 320/C13 Cordsets](#)

Below are standard cordsets which are "not included" (unless stated above); these can 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.

Stock Power Supply Cords

Part Number/ Link	Country	Plug	Termination	Length (mm)	(Ft)
3021457F701(R)	N. American (Type B)	NEMA 5-15P	IEC 320/C13	2150	7
1191068F0701(R)	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C13	2459	8
2194272M5701-T(R)	Argentina (Type I)	IRAM 2073	IEC 320/C13	2500	8
5502022M5701A(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C13	2500	8
204B4272M5701(R)	Brazil (Type N)	BRAZIL	IEC 320/C13	2500	8
6023602M5701(R)	China (Type I)	CCC GR2099	IEC 320/C13	2500	8
G8014272M5701(R)	Danish (Type K)	AFSNIT SECTION 107-2-D1	IEC 320/C13	2500	8
23144272M5701-T(R)	Europe (Type E)	CEE 7/7	IEC 320/C13	2500	8
23134272M5701EUKR(R)	Europe/Korea Combo (Type E)	CEE 7/7 / KSC8305	IEC 320/C13	2500	8
205IN4272M5701(R)	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC 320/C13	2500	8

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208IN4272M5701(R)	India (Type M)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C13	2500	8
377C4272M5701(R)	Israel (Type H)	ISL 377C	IEC 320/C13	2500	8
23024272M5701(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C13	2500	8
3003339F701(R) [3x1.25mm2]	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C13	2500	8
3003068F2701-HK(R) [3 x 2.0mm2]					
302J115J6F0701J(R)	North America / Japan (Type B – 12A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
302J104J6F0701J(R)	North America / Japan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
302JT104J9F0701JT(R)	North America / Japan / Taiwan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved)	IEC 320/C13	2800	9
2313K3432M5701(R)	Korea (Type F)	KS C 8305	IEC 320/C13	2500	8
5804272M5701(R)	Russia (Type F)	GOST 7396	IEC 320/C13	2500	8
2084272M5701(R)	South Africa (Type M)	South Africa SABS164-1 (16A type)	IEC 320/C13	2500	8
23214272M5701(R)	Switzerland (Type J)	SEV 1011	IEC 320/C13	2500	8
3003322M5701(R)	Taiwan (Type B)	BSMI	IEC 320/C13	2500	8
6363762M5701(R)	Thailand (Type O)	TIS 166-2549	IEC 320/C13	2500	8
PZ0800100-2M5BK13H(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS 1363A	IEC 320/C13	2500	8
7055002M5701A(R)	International	IEC 320 C14-C13	IEC 320/C13	2500	8

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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.

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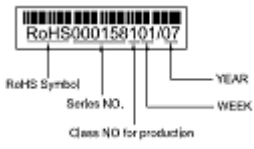
Approvals

Logo	Description
	60601-1 3rd Operating Instructions
No Logo Applicable	CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60601-1:2006 3rd Edition including 2MOOP requirements
	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: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
	cRUus UL Recognized Component E341350 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008)
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	FCC PART 15 CLASS B
	Indoor Use Only - Mark is on the label or Molded in the case
IP42	Ingress Protection: ?IP42 to IEC60529:2001 Protection against granular foreign bodies - Protected against direct sprays up to 15o from the vertical Optional
	Korea KET KC Mark GTM21097-5012 HU10040-7022B (12V Only)
	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: https://www.globtek.com/r2/Szj4Vb
	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3)

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RoHS	http://www.ce-mark.com/Rohs%20final.pdf
	Serial Number Information
	Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	Japan: Voluntary Control Council for Interference (VCCI)
	WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/weee/index_en.htm) Mark is on the label or Molded in the case