

Model:GT-21097-WWVV-T3

May 10, 2025

GT-21097-WWVV-T3

Information

Model Number

GT-21097-WWVV-T3

Description

GT-21097-WWVV-T3, ICT/ITE 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: Singapore (5V); South Africa (5,12,15 and 24V); UKCA; Conforms to 62368-1; CB 62368; FCC; cULus; CE; India BIS (24V only); CCC; LPS 60950; Ukraine; EAC; Class I; WEEE; China RoHS; VCCI; PSE; RoHS; CB 60950; IP40; Korea (5V Only); Korea (12V Only); Korea (3V Only); PSE; PSE; PSE; PSE; PSE; PSE; PSE; NOM (5V only); India BIS (5V only); RCM; IRAM;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-21097>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0030000007P7YZEA0

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0030000007P7YZEA0

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	ICT/ITE 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	N/A
Ingress Protection	Indoor Use
Size (mm)	118 x 60 x 33

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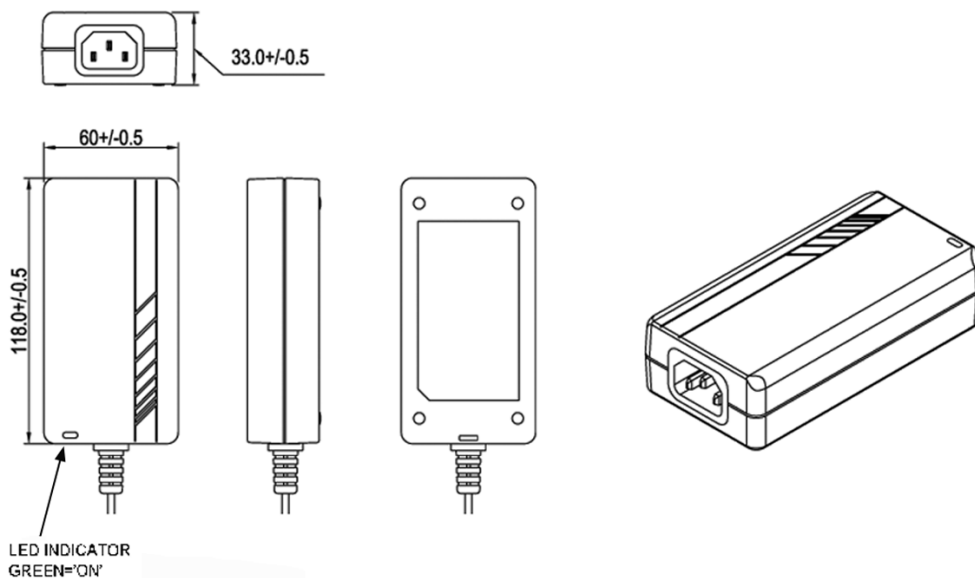
<https://www.globtek.com/ds/F2nAampTQL/N5jkPDyJkR2.html#datasheet>

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-21097-2003	3.3 V	6	19.80	RFQ
GT-21097-3005	5 V	6	30.00	RFQ
GT-21097-4509-3.0	6 V	5	30.00	RFQ
GT-21097-4509-1.5	7.5 V	4	30.00	RFQ
GT-21097-3009-1.5	7.5 V	4	30.00	RFQ
GT-21097-4509-1.0	8 V	3.5	28.00	RFQ
GT-21097-4509	9 V	5	45.00	RFQ
GT-21097-5012	12 V	4.17	50.04	RFQ
GT-21097-3612	12 V	3	36.00	RFQ
GT-21097-5015	15 V	3.3	49.50	RFQ
GT-21097-4018	18 V	2.22	39.96	RFQ
GT-21097-5018	18 V	2.8	50.40	RFQ
GT-21097-5024-5.0	19 V	2.63	49.97	RFQ
GT-21097-5024-4.5	19.5 V	2.56	49.92	RFQ
GT-21097-5024-4.0	20 V	2.5	50.00	RFQ
GT-21097-5024	24 V	2.1	50.40	RFQ
GT-21097-3024	24 V	1.25	30.00	RFQ
GT-2S5024D-R-ES	24 V	2.1	50.40	RFQ
GT-21097-5048-20.0	28 V	1.78	49.84	RFQ
GT-21097-5048-15.0	33 V	1.21	39.93	RFQ
GT-21097-5048-12.0	36 V	1.38	49.68	RFQ
GT-21097-5048	48 V	1.1	52.80	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/-5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at full load
05. Output Ripple (Vp-p): +/- 1% of output voltage, Vp-p, typical
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Sec, typical
08. Hold-Up Time: 10 mS typical @ nominal input voltage and full load
09. Inrush Current: 20A maximum cold start @ 240Vac input
10. Switching Frequency: 100 KHz typical, varies with line and load

B) PROTECTION

01. Over-Voltage: limited via crowbar method
02. Short Circuit: Hiccup with auto recovery upon removal of short
03. Over-load: Hiccup with auto recovery
04. Input Protection: Input line

C) SAFETY

01. Dielectric Withstand Voltage: 4242 Vdc from primary to secondary (for Class II with functional ground)
02. Touch Current: <0.25mA @ 240Vac input voltage
03. Earth Leakage Current: <3.5 mA at 240Vac input voltage
04. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
05. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 118 x 60 x 33 ± 0.5 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case
04. Green LED for indicating Power Out

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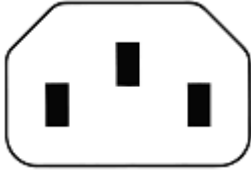
DERATING CURVE

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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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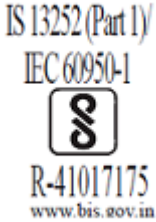
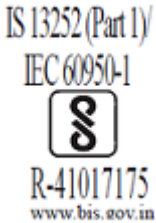
Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009, CB report IEC 60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + Am 11:2009 + Am 12:2011
No Logo Applicable	CB for IEC 62368-1:2014 (Second Edition)
 仅适用于在海拔2000m以下地区使用 仅适用于在正常气候条件下使用	CCC to GB4943.1-2011 GB9254-2008 GB17625.1-2012
	Test Standards: EN 55032:2012+AC:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 550
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-2
Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1	Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1
	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, Edition, 2007-03
	Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan
	FCC PART 15 CLASS B

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	Bureau Of Indian Standards (only for GT-21097-3005)
	Bureau Of Indian Standards (only for GT-2S5024D-R-ES)
	Indoor Use Only - Mark is on the label or Molded in the case
IP40	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies
	IRAM certificate DC-E-G71-001.12 to IEC 60950 + A1:2009
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50313287, to J60950-1(H26) , J55022(H22),J3000(H25)[DC30?60V]. Please reference the following website for guidelines regulations: https://www.globtek.com/r2/Szj4Vb
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	JAPAN TUV R-PSE, Cert. No. JD 50469658, to J62368-1(H30) ,

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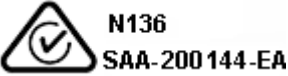
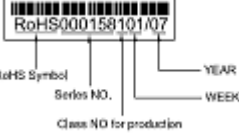
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 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50473430, to J62368-1(H30) , J55032(H29),J3000(H25)[1 less]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
 직류전원장치 AC/DC ADAPTER KTC HU10499-10005A 모델명:GT-21097-2003 Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	Korea KET KC Mark GT-21097-2003 HU10499-10005A (3V Only)
 직류전원장치 AC/DC ADAPTER KTC HU10499-10005A 모델명:GT-21097-3005 Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	Korea KET KC Mark GT-21097-3005 HU10499-10005A (5V Only)
 직류전원장치 AC/DC ADAPTER KTC HU10040-7022B 모델명:GT-21097-5012 Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	Korea KET KC Mark GT-21097-5012 HU10040-7022B (12V Only)
LPS	Limited Power Source 60950
 Fuente de alimentación de ITE	NOM (Mexico) to NOM-001-SCFI-1993 (5 Volts only) (149348 to supply annually)
 GlobTek, Inc.	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25).Please the procedure listed in the following link for proper import to Japan: https://www.globtek.com/r2/Szj4Vb

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	RCM certificate SAA-200144-EA; Australia and New Zealand Regulatory Compliance, Mark (http://rcm.standards.org.au/rcmfaq/rcmfaq.htm)
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (R http://www.ce-mark.com/Rohs%20final.pdf
	Serial Number Information
 180364-12	Singapore GT-21097-3005 ICE 60950-1:2005 + A1:2009 +A2:2013
No Logo	South Africa approval to SANS IEC 60950 for GT-21097-T3 (5,12,15 and 24V)
	UKCA Certification
 10276	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_e Mark is on the label or Molded in the case