

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

Model:GT-9100P100VV-x.x-T3

May 17, 2024

GT-9100P100VV-x.x-T3

Information

Model Number	GT-9100P100VV-x.x-T3
Description	GT-9100P100VV-x.x-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: 120 Watts, Power rating with convection cooling (W) , 12-48V in 0.1V increments, Approvals: EAC; UKCA; CE; WEEE; Class I; China RoHS; cULus; CB 60950; RoHS; Ukraine; PSE; FCC; IP40;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-9100
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7YoEAK
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7YoEAK
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

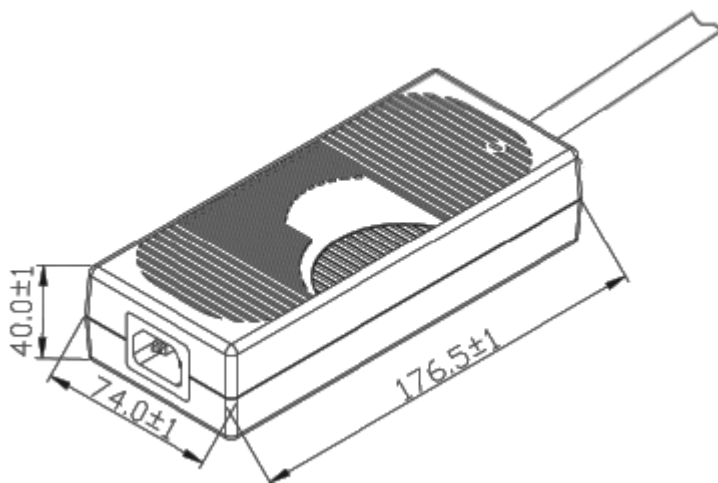
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	2.0A
Wattage (W)	120.0
Vout Range (V)	12-48
Efficiency Level	
Ingress Protection	
Size (mm)	176.5 x 74.0 x 40.0 + 1

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-9100P7005	5 V	14	70.00	RFQ
GTM9100P7005	5 V	14	70.00	RFQ
GT-9100P10009	9 V	11	99.00	RFQ
GTM9100P10009	9 V	11	99.00	RFQ
GT-9100P10012	12 V	8.33	99.96	RFQ
GTM9100P10012	12 V	8.33	99.96	RFQ
GT-9100P10015	15 V	6.67	100.05	RFQ
GTM9100P10015	15 V	6.67	100.05	RFQ
GT-9100P10018	18 V	5.5	99.00	RFQ
GTM9100P10018	18 V	5.5	99.00	RFQ
GT-9100P12019	19 V	6.32	120.08	RFQ
GTM9100P12019	19 V	6.32	120.08	RFQ
GT-9100P12020	20 V	6	120.00	RFQ
GTM9100P12020	20 V	6	120.00	RFQ
GT-9100P12022	22 V	5.45	119.90	RFQ
GTM9100P12022	22 V	5.45	119.90	RFQ
GT-9100P9624	24 V	4	96.00	RFQ
GTM9100P12024	24 V	5	120.00	RFQ
GT-9100P12024	24 V	5	120.00	RFQ
GT-9100P12036	36 V	3.33	119.88	RFQ
GTM9100P12036	36 V	3.33	119.88	RFQ
GT-9100P12048	48 V	2.5	120.00	RFQ
GTM9100P12048	48 V	2.5	120.00	RFQ

PROPRIETARY INFORMATION

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<https://www.globtek.com/ds/8AEnTEBjN85/BfuZ4kzaN44.html>

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 100-240 Vac
02. Input Frequency: 47 - 63 Hz
03. Output Regulation: +/- 5% main output, measured at the output connector
04. Line Voltage Regulation: +/- 1% max at full load
05. Output Ripple (Vp-p): +/-1% or 50 mV whichever is greater of nominal output voltage, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector.
06. Turn-ON/OFF Overshoot: 5% maximum, 500uS maximum recovery time for 25% step load
07. Turn-ON Time: <3 S @ 115VAC input at full load
08. Hold-Up Time: 8.0 mSEC min at nominal input and full load
09. Inrush Current: 40A max at cold start for N.A (60A for Euro)
10. Switching Frequency: 100 KHz typical

B) PROTECTION

01. Over-Voltage: Protected AC cycling required to reset output
02. Short Circuit: Hiccup with auto recovery upon removal of overload / short.
03. Input Protection: Input line fusing
04. Power Factor: 0.95 MIN at full load 230VAC input voltage.
05. No Load Power Consumption: <2.0W @ 115 VAC

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Earth Leakage Current: <3.5 mA at 240Vac input voltage
03. 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: -40°C to 80°C
05. Cooling: Convection

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 176.5 x 74.0 x 40.0 mm +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case
04. Color: Black

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DERATING CURVE

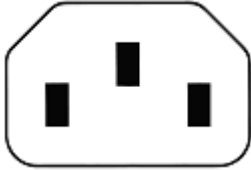
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INPUT CONFIGURATION

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
			IEC		

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23144272M5701-T(R)	Europe (Type E)	CEE 7/7	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
208IN4272M5701(R)	India (Type M)	India IS 1293 (also known as IA16A3 or BS546)	IEC 320/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
	CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in 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
	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
	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
IP40	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies
	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
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf

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	UKCA Certification
 10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	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