

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

Model:GT-41069P90VV-x.x-T2

May 20, 2019

## GT-41069P90VV-x.x-T2

### Information

Model Number GT-41069P90VV-x.x-T2

Description GT-41069P90VV-x.x-T2, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8"), Output Rating: 90 Watts, Power rating with convection cooling (W) , 12-24, 48V in 0.1V increments, Approvals: CB 60950; CE; China RoHS; Double Insulation; FCC; GOST-R; IP40; Level IV; LPS; PSE; RoHS; Designed to meet EN 60601-1; Ukraine; VCCI; WEEE; PSE; cULus;

Model Picture



Agency

Documents <http://www.globtek.info/certs/GT-41069P/>

CE

EC-Declaration [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000C16E9EAJ](https://www.globtek.com/pdf/ec_declaration/a0Oa000000C16E9EAJ)

RoHS/RoHS2

Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000C16E9EAJ](https://www.globtek.com/pdf/rohs_cert/a0Oa000000C16E9EAJ)

REACH

Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](https://www.globtek.com/pdf/iso_certificates/REACH.pdf)

Conflict

Minerals <https://www.globtek.com/pdf/conflict-minerals.pdf>

Declaration

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**Model Parameters**

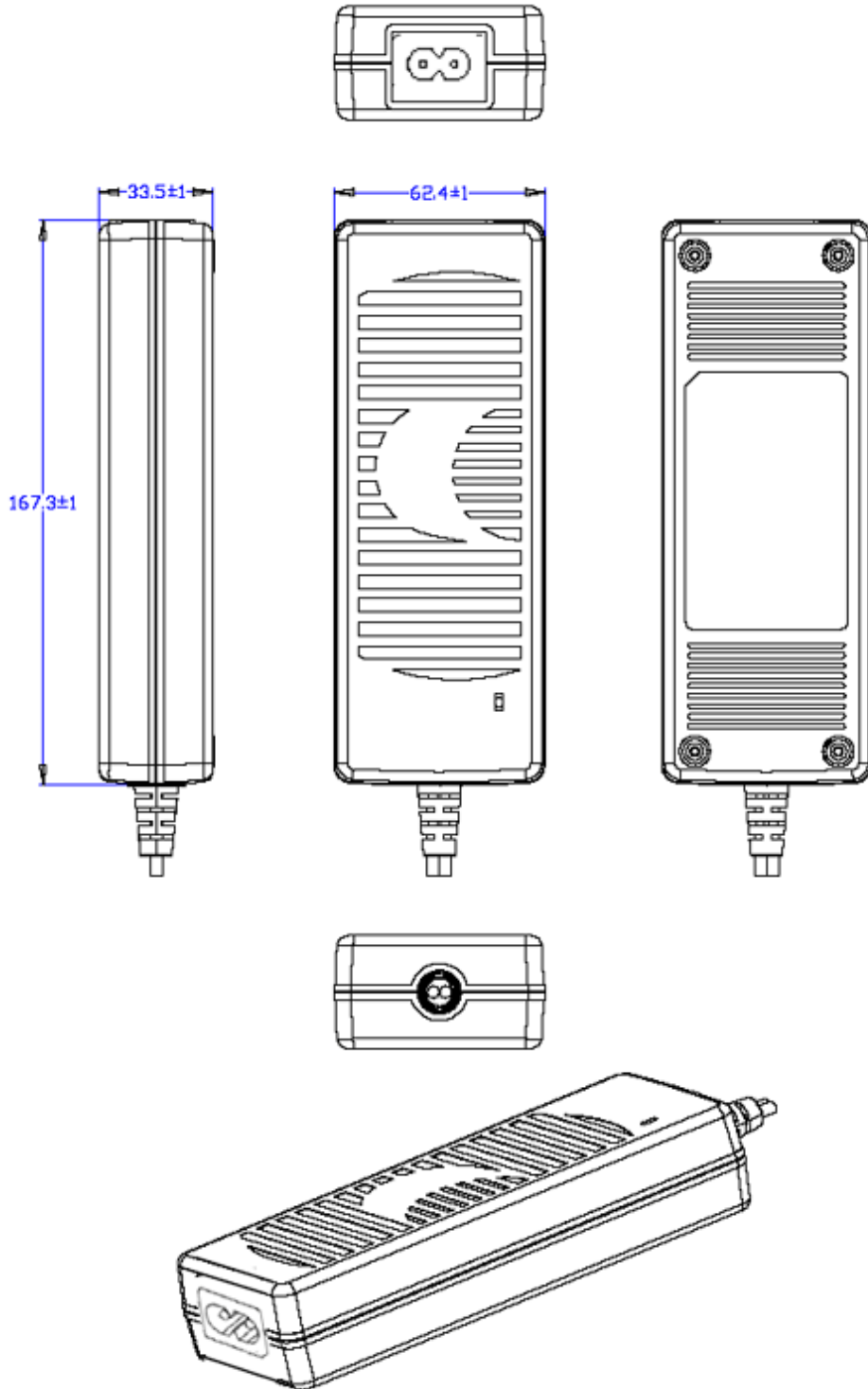
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	90.0
Vout Range (V)	12-24, 48
Efficiency Level	V
Ingress Protection	
Size (mm)	167*62*34

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ENCLOSURE



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**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41069P9012-T2	12 V	7.5	90.00	<a href="#">RFQ</a>
GT-41069P9015.9-0.9-T2	15 V	6	90.00	<a href="#">RFQ</a>
GT-41069P9018.9-2.9-T2	16 V	5.625	90.00	<a href="#">RFQ</a>
GT-41069P9018.9-0.9-T2	18 V	5	90.00	<a href="#">RFQ</a>
GT-41069P9024-5.0-T2	19 V	4.74	90.06	<a href="#">RFQ</a>
GT-41069P9024-T2	24 V	3.75	90.00	<a href="#">RFQ</a>

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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% or 50 mV whichever is greater, 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, 500 uS typical recovery time for 25% to 50% step load
07. Turn-ON Delay: 3 S, maximum @ full load, 115 Vin
08. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
09. Inrush Current: 80/120A maximum cold start @ 120 / 240 Vac input
10. Switching Frequency: 100 KHz typical

### B) PROTECTION

01. Over-Voltage: Electronically Protected Zener clamp across the output, AC cycling to reset output
02. Over-Current: Protected, AC cycling to reset output
03. Short Circuit: Electronically Protected unit will auto recover upon removal of fault
04. Input Protection: Input line fusing
05. Power Factor: 0.90 min. at full load 230Vin
06. No Load Power Consumption: 0.5W maximum (CEC/EISA COMPLIANT)

### C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: <0.25mA @ 240Vac input voltag
03. Earth leakage current: <3.5mA@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 SO/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: 167.3\*62.4\*33.5 +/-1.0 mm
03. LED indicator color : "Green"
04. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

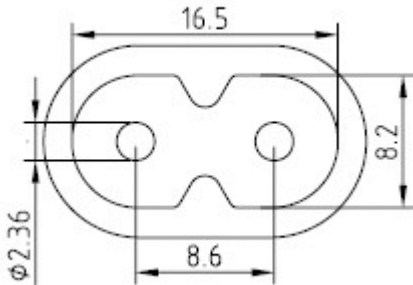
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**Input Configuration**

Description IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8")



Mates with IEC 60320/C7 Plug

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Please 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

<a href="#">2094112M703(R)</a> Argentina (Type I)	IRAM 2063	IEC 320/C7	20007
<a href="#">5014112M703A(R)</a> Australian (Type I)	AS 3112	IEC 320/C7	20007
<a href="#">207B4111M8703(R)</a> Brazil (Type N)	NBR14136	IEC 320/C7	18006
<a href="#">4533501M8703(R)</a> China (Type A)	GB 2099.1	IEC 320/C7	18306
<a href="#">2074112M703A(R)</a> European (Type C)	CEE 7/16	IEC 320/C7	20007
<a href="#">2084111M8703(R)</a> India (Type M)	BS 546	IEC 320/C7	18006
<a href="#">451J3401M8703(R)</a> Japan (Type A)	JIS 8303	IEC 320/C7	18306
<a href="#">2044112M703A(R)</a> Korea (Type C)	KS C8305	IEC 320/C7	20007
<a href="#">4511116F703A(R)</a> N. American (Type A)	NEMA 1-15P	IEC 320/C7	18306
<a href="#">4033401M8703A(R)</a> Taiwan (Type A)	CNS690	IEC 320/C7	18306
<a href="#">6104112M703A(R)</a> UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C7	20007

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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 Report IEC60950-1:2005 (2nd Edition), Am 1: 2009 + Am 2:2013
	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: <a href="http://en.globtek.com/globtek-rohs.php">http://en.globtek.com/globtek-rohs.php</a>
	UL 60950-1, Information Technology Equipment - Safety - Part 1: General Requirements CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	FCC PART 15 CLASS B
	GOST-R mark for Russia(Document: <a href="http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf">http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf</a> ). 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.
	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 R-PSE, Cert. No. JD 50313287, to J60950-1(H26) , J55022(H22),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: <a href="http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/">http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/</a>
GlobTek, Inc.	
<b>EFFICIENCY LEVEL IV</b>	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies with Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduct (Europe)
LPS	Limited Power Source LPS (GT-41069P9012-T3YZ and GT-41069PWW24-X.X-T3YZ 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: <a href="http://en.globtek.com/importing-to-japan.php">http://en.globtek.com/importing-to-japan.php</a> .
GlobTek, Inc.	
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>
	Ukraine UKRsepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
10276	
	Japan: Voluntary Control Council for Interference (VCCI)
	WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/wEEE/index_en.htm">http://ec.europa.eu/environment/waste/wEEE/index_en.htm</a> ) Mark is on the label or Molded in the case