

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

Model:GT-41069P90VV-x.x-T3

November 12, 2019

GT-41069P90VV-x.x-T3

Information

Model Number GT-41069P90VV-x.x-T3

Description GT-41069P90VV-x.x-T3, 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: 90 Watts, Power rating with convection cooling (W) , 12-24, 48V in 0.1V increments, Approvals: CE; WEEE; Ukraine; GOST-R; VCCI; CCC; Class I; China RoHS; LPS; C-Tick; Level IV; RoHS; Korea (24V Only); FCC; CB 60950; IP40; SIQ; Level IV; PSE; PSE; PSE; cULus;

Model Picture



Agency

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

CE

EC-Declaration https://www.globtek.com/pdf/ec_declaration/a0O3000007P7a1EAC

RoHS/RoHS2

Declaration https://www.globtek.com/pdf/rohs_cert/a0O3000007P7a1EAC

REACH

Declaration 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

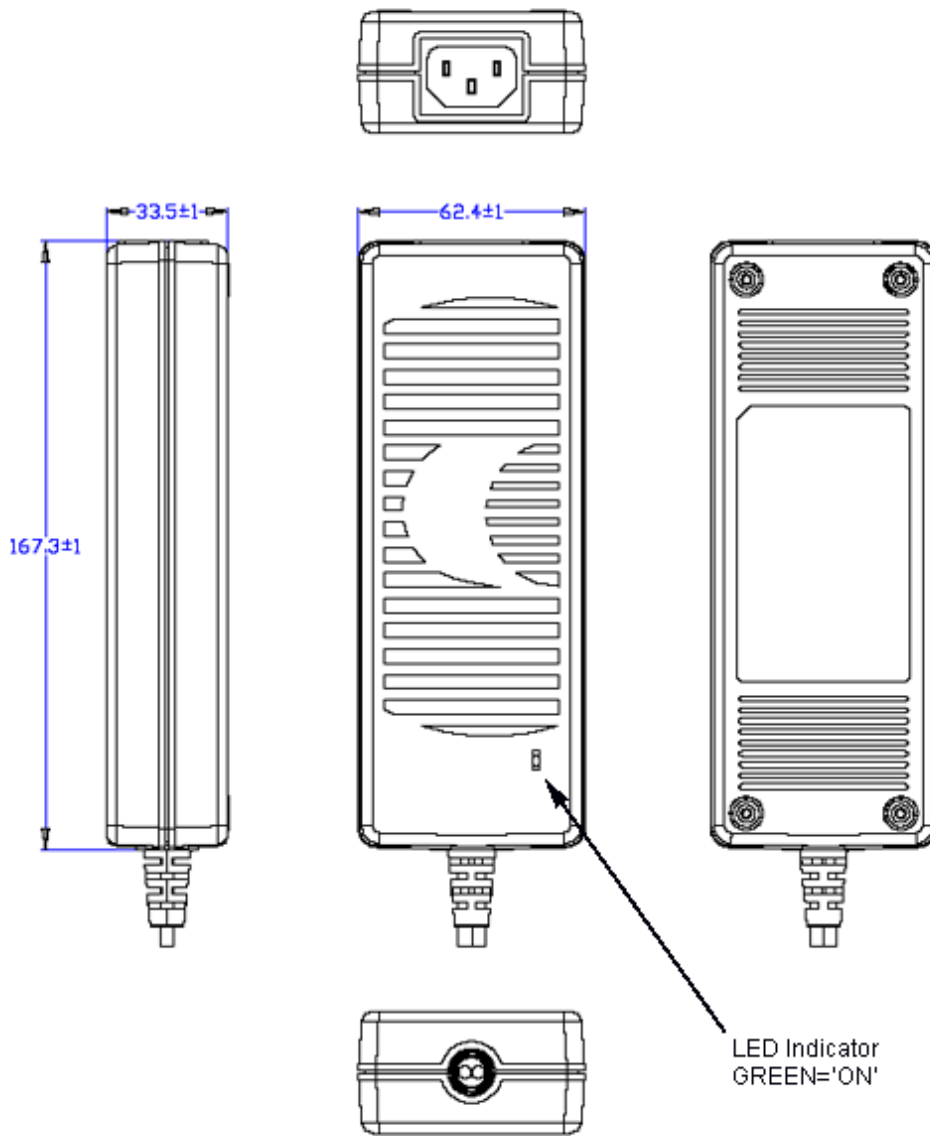
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5 A
Wattage (W)	90.0
Vout Range (V)	12-24, 48
Efficiency Level	IV
Ingress Protection	
Size (mm)	167.3*62.4*33.5

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41069P9012-T3	12 V	7.5	90.00	RFQ
GT-41069P9015.9-0.9-T3	15 V	6	90.00	RFQ
GT-41069P9015.9-T3	15.9 V	5.66	89.99	RFQ
GT-41069P9018.9-2.9-T3	16 V	5.625	90.00	RFQ
GT-41069P9018.9-0.9-T3	18 V	5	90.00	RFQ
GT-41069P9018.9-T3	18.9 V	4.76	89.96	RFQ
GT-41069P9024-5.0-T3	19 V	4.74	90.06	RFQ
GT-41069P9024-T3	24 V	3.75	90.00	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% 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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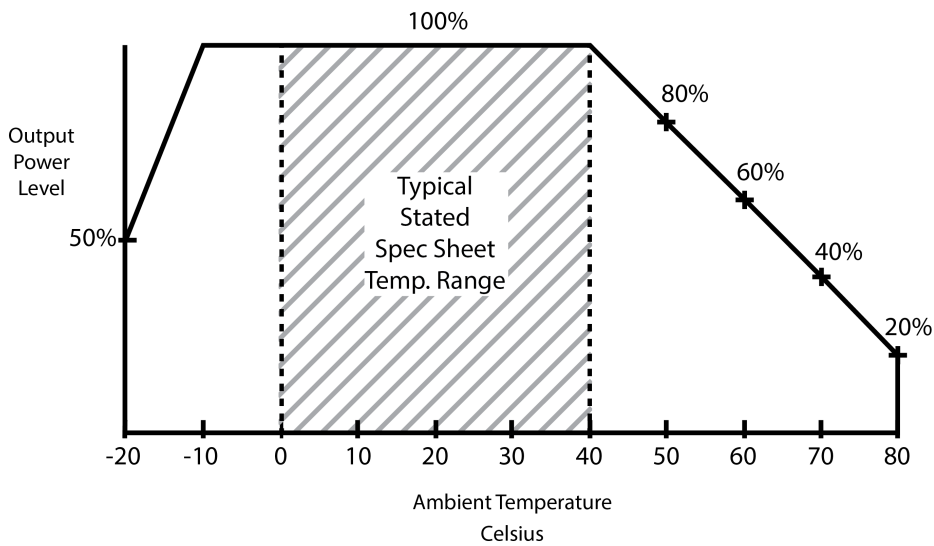
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DERATING CURVE

**Typical External
Power Supply Derating Curve**

(For Efficiency Level V and Efficiency Level VI Products)



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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
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)	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

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3003068F2701-HK(R) [3 x 2.0mm2]						
302J115J6F0701J(R)	Japan / North America (Type B – 12A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6	
302J104J6F0701J(R)	Japan / North America (Type B – 15A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6	
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	
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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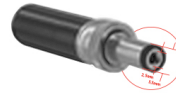
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Output Configuration

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
  Pour matériel de informatique technologique. N4292 SAA090206EA	Attention Mark / Refer to operating manual for operating and service instructions C-Tick GT-41069P90YY-X.X-T3 N4292 SAA090206EA
No Logo	CB Report IEC60950-1:2005 (2nd Edition), Am 1: 2009 + Am 2:2013
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	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://en.globtek.com/globtek-rohs.php
 LISTED 4800 E341351	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 FCC PART 15 CLASS B
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf). 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
	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies
IP40	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:
	http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/
GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50314475, to J60950-1(H26) , J55022(H22),J3000(H25)[DC15?30V]. Please reference the following website for guidelines on PSE regulations:
	http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/
GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50314475, to J60950-1(H26) , J55022(H22),J3000(H25)[DC30?60V]. Please reference the following website for guidelines on PSE regulations:
	http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/
GlobTek, Inc.	Korea KET KC Mark GT-41069P9024-T3 HU10173-9018A (24V Only)
 직류전원장치 AC/DC ADAPTER KTC HU10173-9018A 최저소비효율기준 인증 제품 모델명: GT-41069P9024-T3 Mfg Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	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)
EFFICIENCY LEVEL 	

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<p>EFFICIENCY LEVEL </p> <p>LPS</p> <p>RoHS</p>  <p>IEC/EN60950-1</p>  <p>10276</p>  <p></p>	<p>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) for 12V only</p> <p>Limited Power Source LPS (GT-41069P9012-T3YZ and GT-41069PWW24-X.X-T3YZ only)</p> <p>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</p> <p>SIQ Mark License Certificate EN 60950-1:2006 + Am 1:2010+ Am 11:2009 + Am 12:2011</p> <p>Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)</p> <p>Japan: Voluntary Control Council for Interference (VCCI)</p> <p>WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/wEEE/index_en.htm)</p> <p>Mark is on the label or Molded in the case</p>
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