

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

Model:GT-41133-90VV-x.x-T3A

November 12, 2019

## GT-41133-90VV-x.x-T3A

### Information

Model Number GT-41133-90VV-x.x-T3A

Description GT-41133-90VV-x.x-T3A, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground ( aka "Mickey Mouse"), Output Rating: 90 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: CB 60950; CB 60950; CCC; CE; China RoHS; Class I; UL/cUL; FCC; GOST-R; Korea (24V Only); Korea (48V Only); Level V; LPS; NEMKO 60950; NrCAN; PSE; VCCI; RoHS; Ukraine; WEEE; IRAM; RCM; CE; Taiwan BSMI; S-Mark 60950;

Model Picture



- Agency Documents <http://www.globtek.info/certs/GT-41133-T2-T3-T3A/>
- CE [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000BzyEwEAJ](https://www.globtek.com/pdf/ec_declaration/a0Oa000000BzyEwEAJ)
- EC-Declaration
- RoHS/RoHS2 Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000BzyEwEAJ](https://www.globtek.com/pdf/rohs_cert/a0Oa000000BzyEwEAJ)
- REACH Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](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**

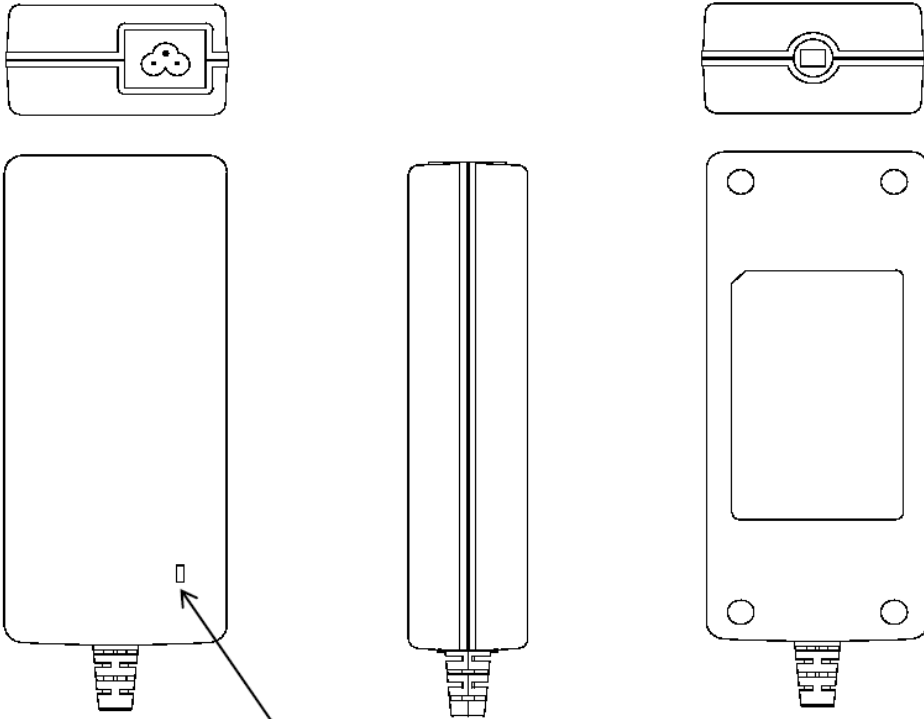
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	90.0
Vout Range (V)	12-24
Efficiency Level	V
Ingress Protection	
Size (mm)	62.4 x 167.3 x 33.5

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ENCLOSURE



LED INDICATOR  
GREEN = "ON"

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**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41133-9015-3.0-T3A	12 V	7.5	90.00	<a href="#">RFQ</a>
GT-41133-9015-T3A	15 V	6	90.00	<a href="#">RFQ</a>
GT-41133-9028-10.0-T3A	18 V	5	90.00	<a href="#">RFQ</a>
GT-41133-9028-9.0-T3A	19 V	4.74	90.06	<a href="#">RFQ</a>
GT-41133-9028-4.0-T3A	24 V	3.75	90.00	<a href="#">RFQ</a>
GT-41133-9048-12.0-T3A	36 V	2.5	90.00	<a href="#">RFQ</a>
GT-41133-9048-T3A	48 V	1.875	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. Line Voltage Regulation: +/- 1% typical measured at the output connector
04. Output Ripple (Vp-p): +/-1% or 150 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 at nominal line
05. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
06. Turn-ON Delay: 1 sec, maximum @ full load, nominal line
07. Hold-Up Time: 8 mS typical at nominal input voltage and full load
08. Inrush Current: 30A typical at 115VAC input and 60A typical at 230 VAC input
09. Switching Frequency: 65 KHz typical

### B) PROTECTION

01. Over-Voltage: Protected Zener clamp across the output
02. Short Circuit: Protected unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

### C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Earth Leakage Current: <3.5 mA at 240Vac input voltage
03. Earth continuity test : <0.1 Ohm or 0.2 Ohm plus supply cord for Class I Only

### 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: 62.4 x 167.3 x 33.5mm +/-1.0 mm
03. LED Green LED Indicator
04. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

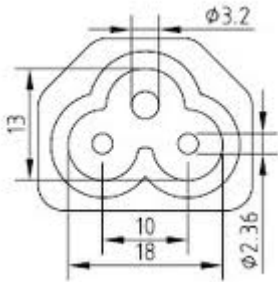
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**Input Configuration**

Description IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground ( aka "Mickey Mouse")



Mates with IEC 60320/C5 Plug

**Standard International IEC 320/C5 Cordsets**

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or package 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.

Part Number / Link	Country	Plug	Connector	Length (mm)	Length (ft)
<a href="#">3021066F712(R)</a>	N. American (Type B)	NEMA 5-15P	IEC 320/C5	1880	6
<a href="#">1191068F0712(R)</a>	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C5	2459	8
<a href="#">2194262M0712(R)</a>	Argentina (Type I)	IRAM 2073	IEC320/C5	2050	6.7
<a href="#">2064262M0712(R)</a>	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C5	2000	6.6
<a href="#">204B4262M0712(R)</a>	Brazil (Type N)	BRAZIL	IEC 320/C5	2000	6.6
<a href="#">6023592M5712(R)</a>	China (Type I)	CCC GR2099	IEC 320/C5	2500	8
<a href="#">23144262M0712(R)</a>	Europe (Type E)	CEE 7/7	IEC 320/C5	2050	6.6
<a href="#">2313K3432M0712(R)</a>	Korea (Type F)	KS C 8305	IEC 320/C5	2000	6.6
<a href="#">205IN4262M0712(R)</a>	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C5	2000	6.6

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<a href="#">377C4262M0712(R)</a>	Israel (Type H)	ISL	IEC320/C5 2050	6.7
<a href="#">23024262M0712(R)</a>	Italy (Type L)	CEI 23-16/VII	IEC 320/C5 2000	6.6
<a href="#">3003316F0712(R)</a>	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C5 1830	6
<a href="#">3021066F0712ULPSE(R)</a>	Japan / USA (Type B)	JIS 8303 / 3 PINS + NEMA 5-15P	IEC 320/C5 1830	6
<a href="#">2054262M0712(R)</a>	S. Africa (Type D)	South Africa SABS164-1 (6A type plug)	IEC320/C5 2050	6.7
<a href="#">2084262M0712(R)</a>	S.Africa (Type M)	South Africa SABS164-1 (16A type plug)	IEC 320/C5 2000	6.6
<a href="#">23214262M0712(R)</a>	Switzerland (Type J)	SEV 1011 ( EL 203)	IEC 320/C5 2000	6.6
<a href="#">3003316F0712(R)</a>	Taiwan (Type B)	BSMI	IEC 320/C5 2000	6.6
<a href="#">6104262M0712(R)</a>	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C5 2000	6.6



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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
	Taiwan BSMI (12, 19, 24 and 48V designs only); <a href="http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=8167=2">http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=8167=2</a>
R32282 RoHS (Pb)	
No Logo Applicable	IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
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
LPS	Limited Power Source LPS per CB report
	CCC Altitude up to 5000 m GB17625.1-2012, GB4943.1-2011, GB/T9254-2008
	CE Certification CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2013 EN 60601-1-2.2015 EN 55024.2010
	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>
	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
	Compliance of this power supply with FCC Part 15, Class B has been demonstrated with a standard output load. The FCC law stipulates that system-level testing is required to demonstrate compliance with the FCC emission limits with the actual system load.
	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
	












### DC-E-G71-001.14

PRECAUCION: PARA USO EN IRAM certificate DC-E-G71-001.14 to IEC 60950-1:2005 + A1:2009 +A2:2013  
EQUIPOS ELECTRONICOS  
SOLAMENTE

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 직류전원장치 AC/DC ADAPTER KTC HU10499-12010A 최저소비효율기준 만족 제품 모델명:GT-41134-802B-B.0-T3A Mfg. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	Korea HU10499-12010A, (19V, 24V only)
 직류전원장치 AC/DC ADAPTER KTC HU10499-13011A 최저소비효율기준 만족 제품 모델명:GT-41134-804B-T3A Mfg. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	Korea HU10499-13011A (36V, 48V only)
<b>EFFICIENCY LEVEL</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)
 	NEMKO EN60950-1:2006, A11, A1, A12, A2 Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; <a href="http://shop.csa.ca/en/canada/energy-efficiency/canca-c381-1-08/inv/27024802008">http://shop.csa.ca/en/canada/energy-efficiency/canca-c381-1-08/inv/27024802008</a>
 GlobTek, Inc.	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> .
 N136 SAA120749EA	RCM certificate SAA120749EA; Australia and New Zealand Regulatory Compliance, Mark ( <a href="http://rcm.standards.org.au/rcmfaq/rcmfaq.htm">http://rcm.standards.org.au/rcmfaq/rcmfaq.htm</a> )
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>
 Intertek	S-Mark Certificate EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 +A2:2013 ( <a href="http://www.intertek.com/marks/s/">http://www.intertek.com/marks/s/</a> )
 10276	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> )
 	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