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Model:GT-21148-WWVV-T2

August 17, 2019

## GT-21148-WWVV-T2

### Information

Model Number GT-21148-WWVV-T2

Description GT-21148-WWVV-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: 30 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: CB 60950; LPS; CE; China RoHS; Double Insulation; cULus; GOST-R; IP40; NEMKO GS; PSE; RoHS; Ukraine; WEEE; Designed to meet EN 60601-1;

Model Picture



Agency

Documents <http://www.globtek.info/certs/GT-21148/>

CE

EC-Declaration [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000C2VuxEAF](https://www.globtek.com/pdf/ec_declaration/a0Oa000000C2VuxEAF)

RoHS/RoHS2

Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000C2VuxEAF](https://www.globtek.com/pdf/rohs_cert/a0Oa000000C2VuxEAF)

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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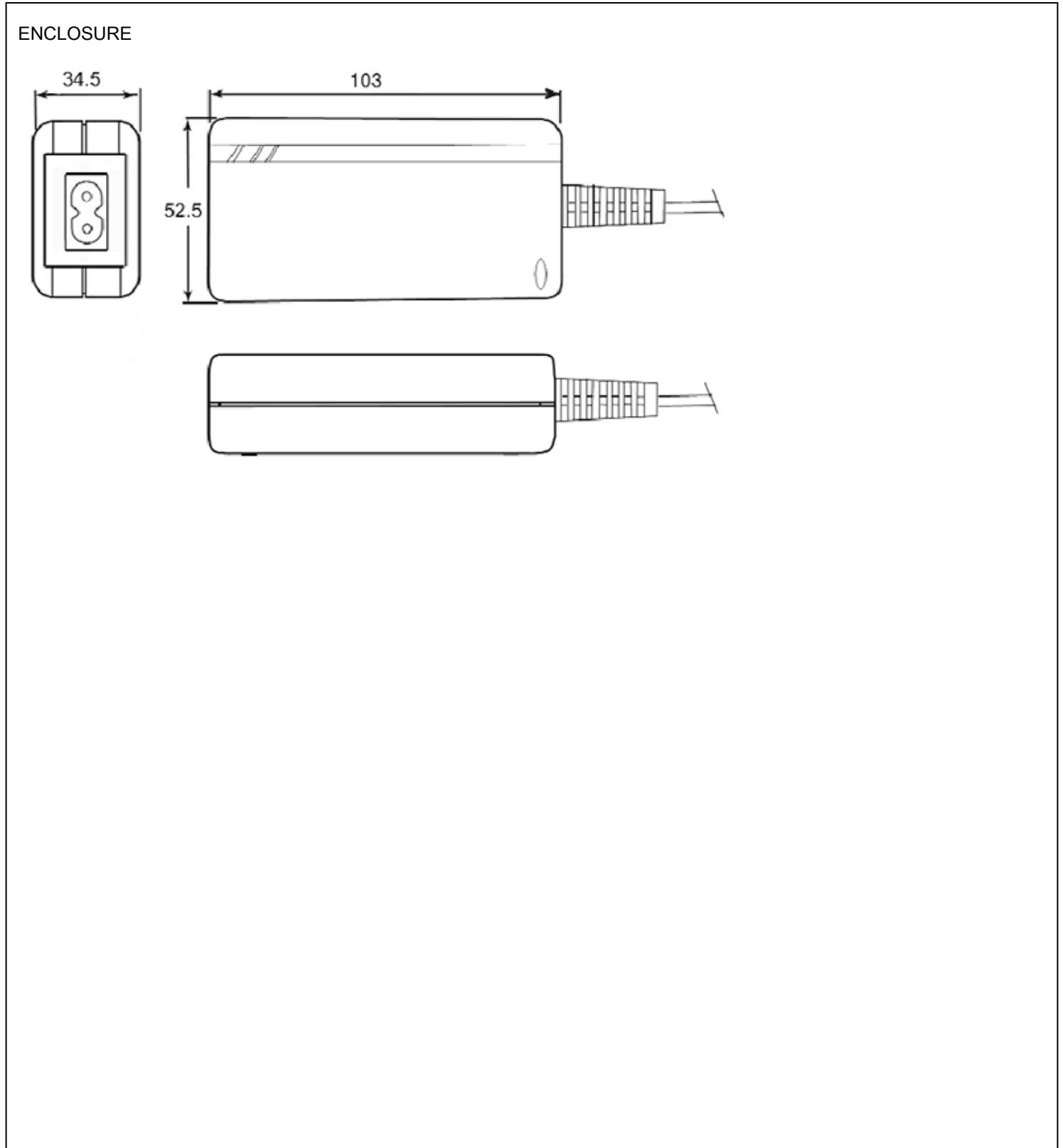
**Model Parameters**

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)	1.0A Max
Wattage (W)	30.0
Vout Range (V)	12-24
Efficiency Level	
Ingress Protection	IP40
Size (mm)	103*53*35

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**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-21148-2005-T2	5 V	4	20.00	<a href="#">RFQ</a>
GT-21148-2506-T2	6 V	4.17	25.02	<a href="#">RFQ</a>
GT-21148-2709-T2	9 V	3	27.00	<a href="#">RFQ</a>
GT-21148-2309-T2	9 V	2.5	22.50	<a href="#">RFQ</a>
GT-21148-3012-T2	12 V	2.5	30.00	<a href="#">RFQ</a>
GT-21148-2412-T2	12 V	2	24.00	<a href="#">RFQ</a>
GT-21148-3015-T2	15 V	2	30.00	<a href="#">RFQ</a>
GT-21148-3016-T2	16 V	1.9	30.40	<a href="#">RFQ</a>
GT-21148-3018-1.0-T2	17 V	1.764	29.99	<a href="#">RFQ</a>
GT-21148-3018-T2	18 V	1.7	30.60	<a href="#">RFQ</a>
GT-21148-3019-T2	19 V	1.6	30.40	<a href="#">RFQ</a>
GT-21148-3020-T2	20 V	1.5	30.00	<a href="#">RFQ</a>
GT-21148-3024-T2	24 V	1.25	30.00	<a href="#">RFQ</a>
GT-21148-2424-T2	24 V	1	24.00	<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 : 1% of output voltage, peak to peak, typical
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Second, typical
08. Hold-Up Time: 10 mS typical at nominal input voltage and full load
09. Inrush Current: 30A typical at 115Vac and 40A typical at 230Vac input
10. Switching Frequency: 100 KHz typical, varies with line and load
11. Efficiency: 75% typical at nominal input and full load

**B) PROTECTION**

01. Over-Voltage: limited by crowbar method
02. Over Load/Short Circuit: Momentary short circuit protected, output will auto recovery upon removal of short
  
03. Input Protection: Input line fusing

**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

**D) OTHER:**

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 25°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection
06. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11363-2006

**E) ENCLOSURE**

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 103.0\*52.5\*34.5 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

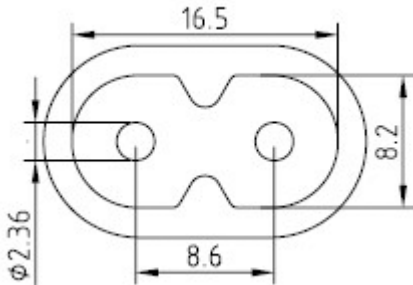
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**Input Configuration**

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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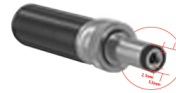
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**Output Configuration**

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: <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
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	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 (with I/P cord)
LPS	Limited Power Source
	Nemko GS certificate for GT-21148 for 12-24V
	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>
	
RoHS Symbol Serial NO. Class NO for production	Serial Number Information
	Ukraine UKRSepr (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
10276	
	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