

Model:GT-41083-WWVV-x.x-T2

April 27, 2024

## GT-41083-WWVV-x.x-T2

### Information

#### Model Number

GT-41083-WWVV-x.x-T2

#### Description

GT-41083-WWVV-x.x-T2, ICT/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: 40 Watts, Power rating with convection cooling (W) , 12-48V in 0.1V increments, Approvals: CE; UKCA; EAC; NrCAN; EC; PSE; cULus; CCC; WEEE; Double Insulation; VCCI; Ukraine; Level V; RoHS; CB 60950; China RoHS; LPS 60950; IP40; Serbia; RCM; Korea (18V, 19V, 20V, 24V); Korea (18V, 19V, 20V, 24V); CE; South Africa; Taiwan BSMI; Saudi; India; Singapore (24V); Kuwait; Armenia;

#### Model Picture



#### Agency Documents

<http://www.globtek.info/certs/GT-41083-T2/>

#### CE EC-Declaration

[https://www.globtek.com/pdf/ec\\_declaration/a0030000007P7YYEA0](https://www.globtek.com/pdf/ec_declaration/a0030000007P7YYEA0)

#### RoHS/RoHS2 Declaration

[https://www.globtek.com/pdf/rohs\\_cert/a0030000007P7YYEA0](https://www.globtek.com/pdf/rohs_cert/a0030000007P7YYEA0)

#### 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           | ICT/ITE Power Supply                               |
| Input Voltage      | 100-240V~, 50-60 Hz                                |
| I/P Amps (A)       | 1.0 A                                              |
| Wattage (W)        | 40.0                                               |
| Vout Range (V)     | 12-48                                              |
| Efficiency Level   | V                                                  |
| Ingress Protection |                                                    |
| Size (mm)          | 75.5*47.8*28.2 mm (1.96*3.1*1.2")                  |

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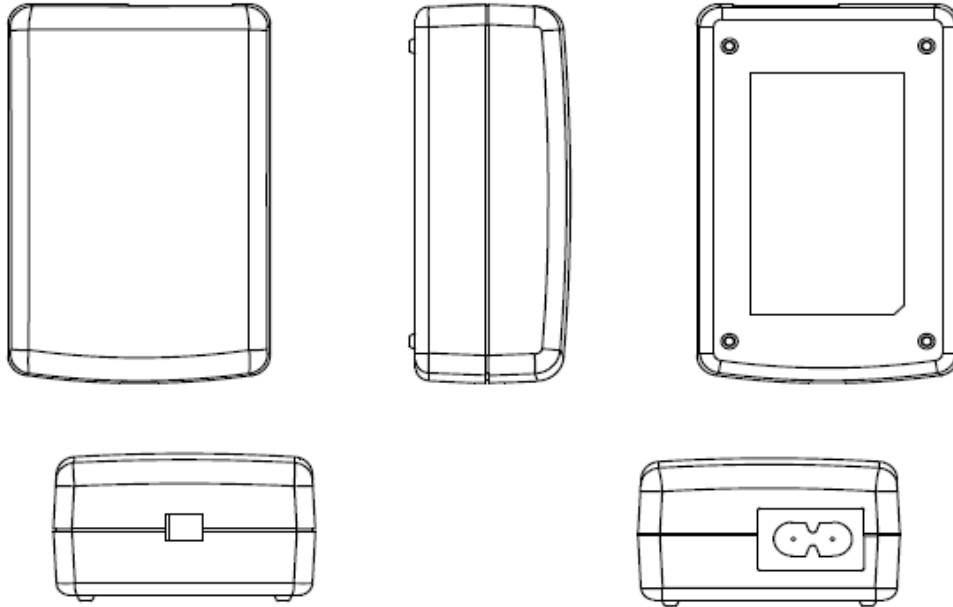
<https://www.globtek.com/ds/d8u83tTVmX3/cMBH3BDUEuy.html>

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## ENCLOSURE



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## RATING TABLE

| Model Number          | Voltage | Amps(A) | Watts(W) | RFQ                 |
|-----------------------|---------|---------|----------|---------------------|
| GT-41083-3012-T2      | 12 V    | 2.5     | 30.00    | <a href="#">RFQ</a> |
| GT-41083-4012-T2      | 12 V    | 3.3     | 39.60    | <a href="#">RFQ</a> |
| GT-41083-4024-10.5-T2 | 13.5 V  | 2.5     | 33.75    | <a href="#">RFQ</a> |
| GT-41083-3324-9.5-T2  | 14.5 V  | 2.27    | 32.92    | <a href="#">RFQ</a> |
| GT-41083-4024-9.0-T2  | 15 V    | 2.66    | 39.90    | <a href="#">RFQ</a> |
| GT-41083-4024-6.0-T2  | 18 V    | 2.22    | 39.96    | <a href="#">RFQ</a> |
| GT-41083-4024-5.0-T2  | 19 V    | 2.1     | 39.90    | <a href="#">RFQ</a> |
| GT-41083-4024-4.0-T2  | 20 V    | 2       | 40.00    | <a href="#">RFQ</a> |
| GT-41083-4024-T2      | 24 V    | 1.7     | 40.80    | <a href="#">RFQ</a> |
| GT-41083-4048-12.0-T2 | 36 V    | 1.11    | 39.96    | <a href="#">RFQ</a> |
| GT-41083-4048-T2      | 48 V    | 0.85    | 40.80    | <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 the output connector
05. 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
06. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Second Typical
08. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
09. Inrush Current: 30A typical at 115VAC input and 60A typical at 230 VAC input
10. 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. Touch Current: <0.25mA @ 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: -10°C to 80°C
05. Cooling: Convection

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 47.8\*75.5\*28.2 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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## DERATING CURVE

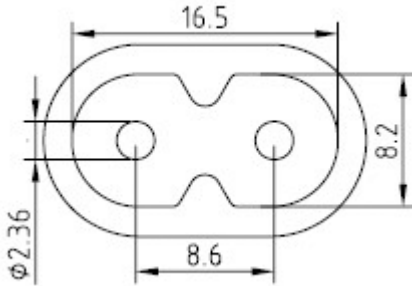
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## INPUT CONFIGURATION

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

| Part Number                         | Type                                           | Standard   | Connector  | Length (mm) | Length (feet) |
|-------------------------------------|------------------------------------------------|------------|------------|-------------|---------------|
| <a href="#">2094112M703(R)</a>      | Argentina (Type I)                             | IRAM 2063  | IEC 320/C7 | 2000        | 7             |
| <a href="#">5014112M703A(R)</a>     | Australian (Type I)                            | AS 3112    | IEC 320/C7 | 2000        | 7             |
| <a href="#">207B4111M8703(R)</a>    | Brazil (Type N)                                | NBR14136   | IEC 320/C7 | 1800        | 6             |
| <a href="#">4533501M8703(R)</a>     | China (Type A)                                 | GB 2099.1  | IEC 320/C7 | 1830        | 6             |
| <a href="#">2074112M703A(R)</a>     | European (Type C)                              | CEE 7/16   | IEC 320/C7 | 2000        | 7             |
| <a href="#">2074112M703AEUSA(R)</a> | European/South Africa Combo(Type C)            | CEE 7/16   | IEC 320/C7 | 2000        | 7             |
| <a href="#">2084111M8703B(R)</a>    | India (Type D)                                 | IS 1293    | IEC 320/C7 | 1800        | 6             |
| <a href="#">451J3401M8703(R)</a>    | Japan (Type A)                                 | JIS 8303   | IEC 320/C7 | 1830        | 6             |
| <a href="#">2044112M703A(R)</a>     | Korea (Type C)                                 | KS C8305   | IEC 320/C7 | 2000        | 7             |
| <a href="#">4511116F703A(R)</a>     | North America (Type A)                         | NEMA 1-15P | IEC 320/C7 | 1830        | 6             |
| <a href="#">2084111M8703(R)</a>     | South Africa (Type M)                          | BS 546     | IEC320/C7  | 1830        | 6             |
| <a href="#">4033401M8703A(R)</a>    | Taiwan (Type A)                                | CNS690     | IEC 320/C7 | 1830        | 6             |
| <a href="#">6104112M703A(R)</a>     | UK, Hong Kong, Singapore, Gulf States (Type G) | BS1363     | IEC 320/C7 | 2000        | 7             |

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|                                  |                                                                                                           |              |           |      |   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|--------------|-----------|------|---|
| <a href="#">451G1116F703A(R)</a> | Gulf States (Kuwait, Bahrain, Oman, Qatar, Saudi Arabia, Yemen and the United Arab Emirates (UAE)(Type A) | Nema 1-15P   | IEC320/C7 | 1830 | 6 |
| <a href="#">6303742M5703(R)</a>  | Thailand (Type C)                                                                                         | TIS 166-2549 | IEC320/C7 | 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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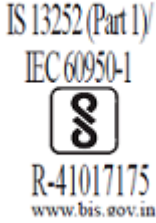
## Approvals

| Logo                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Logo                                                                                             | Armenia confirmation of Conformity AST-003/S.A-0061-2015                                                                                                                                                                                                                                                                                                    |
| <br>R32282<br>RoHS | BSMI Taiwan GT-41083-WWVV-x.x-T2, only for models: GT-41083-3012-T2, GT-41083-4012-T2, GT-41083-4024-9.0-T2, GT-41083-4024-6.0-T2, GT-41083-4024-5.0-T2, GT-41083-4024-4.0-T2, GT-41083-4024-T2,<br><br><a href="http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816&amp;mp=2">http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816&amp;mp=2</a> |
| 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                                                                                                                                                                                   |
|                    | CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000                                                                                                                                                                                                                                                                                          |
|                  | Test standard:<br>EN 55032:2015<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013<br>EN 55024:2010+A1:2015                                                                                                                                                                                                                                                          |
|                  | CE Certification Class II<br>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 15 B                                                                                              |
|                  | CHINA SJ/T 11364-2014, China RoHS Chart:<br><a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf</a>                                                                                                                 |
|                  | UL60950-1, cUL to 22.2 #60950-1 to 2nd edition                                                                                                                                                                                                                                                                                                              |
|                  |                                                                                                                                                                                                                                                                                                                                                             |
|                  | Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan                                                                                                                                                                                                                                                                           |
|                                                                                                     |                                                                                                                                                                                                                                                                                                                                                             |

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|                                                                                                             |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Logo                                                                                                     | EC-Conformity Declaration: <a href="http://www.globtek.com/html/iso_certificates/EC-DECLARATION.pdf">http://www.globtek.com/html/iso_certificates/EC-DECLARATION.pdf</a> ,<br>REACH 144 SVHC: <a href="http://www.globtek.com/html/iso_certificates/Reach144.pdf">http://www.globtek.com/html/iso_certificates/Reach144.pdf</a> |
|                            | Bureau Of Indian Standards for GT-41083-3012-T2, -4012-T2, -4024-9.0-T2,-4024-6.0-T2, -4024-5.0-T2, -4024-4.0-T2, -4024-T2, -4048-12.0-T2, -4048-T2                                                                                                                                                                             |
|                            | 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                                                                                                                                                                                                                                           |
|                           | HU10499-11007B GT-41083-4024-6.0-T2 (18V, 19V, 20V, 24V)                                                                                                                                                                                                                                                                        |
|                          | HU10499-11007B GT-41083-4024-T2 (18V, 19V, 20V, 24V)                                                                                                                                                                                                                                                                            |
| No Logo                                                                                                     | 24                                                                                                                                                                                                                                                                                                                              |
| <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)                                                                                                                      |
| LPS                                                                                                         | Limited Power Source 60950                                                                                                                                                                                                                                                                                                      |
|                          | Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191;<br><a href="http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/invt/27024802008">http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/invt/27024802008</a>                                                                     |
|                          | 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:<br><a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a>                                                                         |

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|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>N136<br/>SAA131825EA</p> | RCM N136; Australia and New Zealand Regulatory Compliance, Mark (<br><a href="http://rcm.standards.org.au/rcmfag/rcmfag.htm">http://rcm.standards.org.au/rcmfag/rcmfag.htm</a>                                    |
| RoHS                                                                                                          | Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3)<br><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>                     |
| إمدادات الطاقة                                                                                                | Saudi Arabia approval to IEC 60950                                                                                                                                                                                |
|                              | Serbia Approval - Conformity mark must be at least 5 mm high.                                                                                                                                                     |
|                              | Singapore GT-41083-4024-T2 ICE 60950-1:2005 + A1:2009 +A2:2013 180516-12 (24V only)                                                                                                                               |
| No Logo                                                                                                       | South Africa approval to SANS IEC 60950                                                                                                                                                                           |
|                            | UKCA Certification                                                                                                                                                                                                |
|                            | 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> )<br>Mark is on the label or Molded in the case |