

Model:GT-22011

May 9, 2024

## GT-22011

### Information

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                  | GT-22011                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Description                   | GT-22011, 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: 50 Watts, Power rating with convection cooling (W) , 7.5-24V in 0.1V increments, Approvals: cUL 60950; CCC; CB 60950; CE; IP40; LPS; Double Insulation; GOST-R; China RoHS; Ukraine; RoHS; PSE; |
| Model Picture                 |                                                                                                                                                                                                                                                                                                                                                        |
| Agency Documents              | <a href="http://globtek.info/certs/GT-22011/">http://globtek.info/certs/GT-22011/</a>                                                                                                                                                                                                                                                                                                                                                   |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0O3000000A1YnvEAF">https://www.globtek.com/pdf/ec_declaration/a0O3000000A1YnvEAF</a>                                                                                                                                                                                                                                                                                               |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0O3000000A1YnvEAF">https://www.globtek.com/pdf/rohs_cert/a0O3000000A1YnvEAF</a>                                                                                                                                                                                                                                                                                                         |
| REACH Declaration             | <a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>                                                                                                                                                                                                                                                                                                             |
| Conflict Minerals Declaration | <a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>                                                                                                                                                                                                                                                                                                                       |

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**MODEL PARAMETERS**

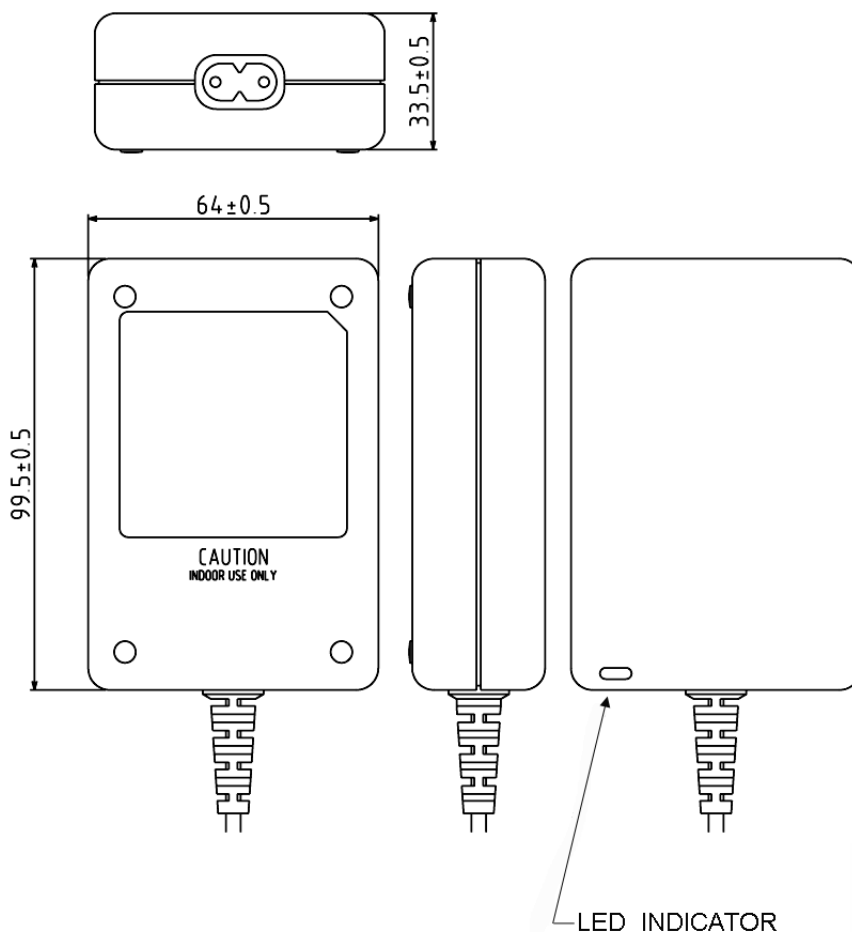
|                    |                                                    |
|--------------------|----------------------------------------------------|
| Type               | Desktop/External                                   |
| Technology         | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category           | ICT/ITE Power Supply                               |
| Input Voltage      | 100-240V~, 50-60 Hz                                |
| I/P Amps (A)       | 1.2A                                               |
| Wattage (W)        | 50.0                                               |
| Vout Range (V)     | 7.5-24                                             |
| Efficiency Level   | N/A                                                |
| Ingress Protection | IP40                                               |
| Size (mm)          | 99.5*64*33                                         |

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## ENCLOSURE



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## RATING TABLE

| Model Number      | Voltage | Amps(A) | Watts(W) | RFQ                 |
|-------------------|---------|---------|----------|---------------------|
| GT-22011-4508     | 7.5 V   | 6       | 45.00    | <a href="#">RFQ</a> |
| GT-22011-5009     | 9 V     | 5.5     | 49.50    | <a href="#">RFQ</a> |
| GT-22011-6012     | 12 V    | 5       | 60.00    | <a href="#">RFQ</a> |
| GT-22011-6015     | 15 V    | 4       | 60.00    | <a href="#">RFQ</a> |
| GT-22011-6018     | 18 V    | 3.3     | 59.40    | <a href="#">RFQ</a> |
| GT-22011-6022-2.0 | 20 V    | 3       | 60.00    | <a href="#">RFQ</a> |
| GT-22011-6022     | 22 V    | 2.7     | 59.40    | <a href="#">RFQ</a> |
| GT-22011-6024     | 24 V    | 2.5     | 60.00    | <a href="#">RFQ</a> |

## PROPRIETARY INFORMATION

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<https://www.globtek.com/ds/Evkii9sQ4NW/X6jgiRGb9Xr.html>

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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/Turn OFF Overshoot: 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 Input 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: 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. Earth Leakage Current: <500 uA at 264Vac input voltage
03. Touch Current: <0.25mA @ 240Vac input voltage

### 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
06. RoHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 99.5\*64.0\*33.5 +/-0.5 mm
03. LED indicator Green

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## DERATING CURVE

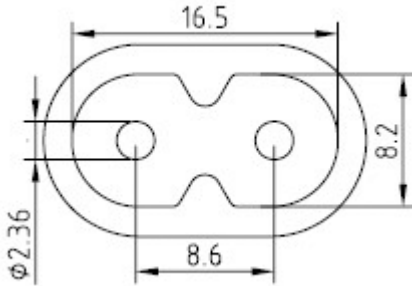
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## INPUT CONFIGURATION

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                                                                                                                | CB Report EN60950-1                                                                                                                                                                                                                                                                                                     |
| <br><small>仅适用于在海拔2000m以下地区使用</small> | CCC certificate: GT-222011-5012-1.8 10.2 Volts Only GB4943.1-2011 GB9254-2008 GB17625.1-2012, ???????2000m??????                                                                                                                                                                                                        |
|                                       | 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:<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, cULus to UL 60950-1, 1st Edition, 2007-10-31 and CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07                                                                                                                                                                                                              |
|                                     |                                                                                                                                                                                                                                                                                                                         |
|                                     | 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                                                                                                                                                                                                                                   |
| LPS                                                                                                                    | Limited Power Source 60950                                                                                                                                                                                                                                                                                              |
| <br>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:<br><a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a>                                                                 |

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|                                                                                            |                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| <br>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> )                                  |