

Model:GT-46400-40VV-X.X-T2

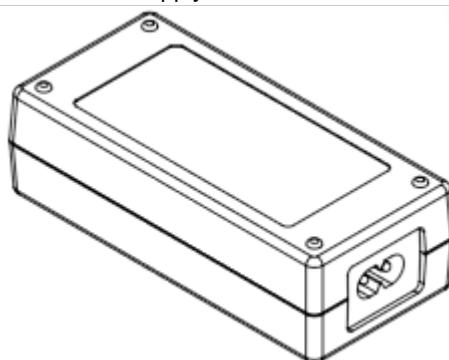
May 20, 2024

## DOE EPS 2.0 Level VI Power Supply / Charger / AC Adapter, 40W Desktop/Tabletop with Class II Input, Available with 12-24VDC output Certified to Medical and ITE Standards

### Information

|              |                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------|
| Model Number | GT-46400-40VV-X.X-T2                                                                                  |
| Description  | 40 W, DoE Level VI & CoC Tier 2 Efficiency, Two Prong (C8) Inlet, Desktop Adapter, Ac-Dc Power Supply |

### Model Picture



|                               |                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Documents              | <a href="http://www.globtek.info/certs/GT-46400-WVVV-X.X-TZ/">http://www.globtek.info/certs/GT-46400-WVVV-X.X-TZ/</a>                     |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000Mih2SEAR">https://www.globtek.com/pdf/ec_declaration/a0Oa000000Mih2SEAR</a> |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000Mih2SEAR">https://www.globtek.com/pdf/rohs_cert/a0Oa000000Mih2SEAR</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)       | 1.0A                                                                |
| Wattage (W)        | 40.0                                                                |
| Vout Range (V)     | 12-24                                                               |
| Efficiency Level   | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | Indoor Use                                                          |
| Size (mm)          | 111*52*32.3                                                         |

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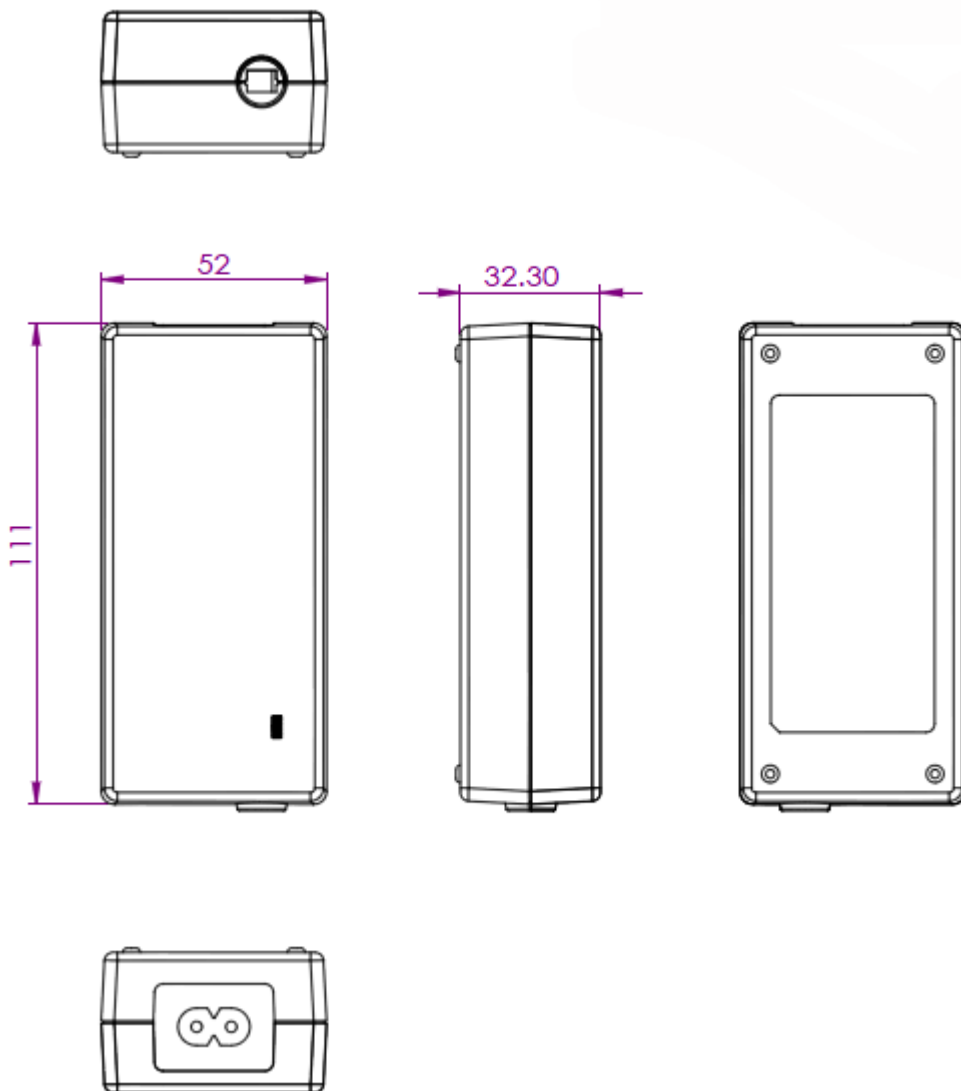
<https://www.globtek.com/ds/RHfmpW8Vj4F/cuwDp8dRx4B.html>

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## ENCLOSURE



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## RATING TABLE

| Model Number         | Voltage | Amps(A) | Watts(W) | RFQ                 |
|----------------------|---------|---------|----------|---------------------|
| GT-46400-3612-T2     | 12 V    | 3       | 36.00    | <a href="#">RFQ</a> |
| GT-46400-3615-2.0-T2 | 13 V    | 2.76    | 35.88    | <a href="#">RFQ</a> |
| GT-46400-3615-1.0-T2 | 14 V    | 2.57    | 35.98    | <a href="#">RFQ</a> |
| GT-46400-3315-0.5-T2 | 14.5 V  | 2.27    | 32.92    | <a href="#">RFQ</a> |
| GT-46400-4015-T2     | 15 V    | 2.66    | 39.90    | <a href="#">RFQ</a> |
| GT-46400-4019-3.0-T2 | 16 V    | 2.5     | 40.00    | <a href="#">RFQ</a> |
| GT-46400-4019-2.0-T2 | 17 V    | 2.35    | 39.95    | <a href="#">RFQ</a> |
| GT-46400-4019-1.0-T2 | 18 V    | 2.22    | 39.96    | <a href="#">RFQ</a> |
| GT-46400-4019-T2     | 19 V    | 2.1     | 39.90    | <a href="#">RFQ</a> |
| GT-46400-4024-4.0-T2 | 20 V    | 2       | 40.00    | <a href="#">RFQ</a> |
| GT-46400-4024-3.0-T2 | 21 V    | 1.9     | 39.90    | <a href="#">RFQ</a> |
| GT-46400-4024-2.0-T2 | 22 V    | 1.81    | 39.82    | <a href="#">RFQ</a> |
| GT-46400-4024-1.0-T2 | 23 V    | 1.73    | 39.79    | <a href="#">RFQ</a> |
| GT-46400-4024-T2     | 24 V    | 1.66    | 39.84    | <a href="#">RFQ</a> |
| GT-46400-4048-T2     | 48 V    | 0.83    | 39.84    | <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. Inrush Current: NO Damage
- 04. Efficiency: Compliant with Efficiency Level VI and CoC Tier 2 standards
- 05. No Load Standby Power: <0.075W @ 230Vac
- 06. Load regulation:  $\pm 5\%$
- 07. Output Voltage: Tolerance  $\pm 5\%$
- 08. Ripple Voltage: 120mV (p-p): Input :(100V-240VAC ), Output:full load
- Ripple&Noise test: Use 20MHz band width frequency oscilloscope.Add 0.1uF/47uF Capacitor output connector terminal

### B) PROTECTION

- 01. Over voltage protection:  $\leq 16V$
- 02. Short circuit protection: Output shut down and auto- recover
- 03. Over Load Protection:  $\leq 5A$  output load

### C) SAFETY

- 01. HI-POT : Input to output : 3000VAC 10mA 1 minute (for Class II), 1500VAC 10mA 1 minute(for Class I)
- 02. Insulation resistance: Input to output: 500vdc to test the input to output resistance not be less 100M ohm
- 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 Operating : 20% to 80%. 0% to 90% relative humidity
- 04. Storage Temperature: -10°C to 70°C
- Humidity Storage: 10% to 90%
- 05. RoHS 2: Complies with EU 2011/65/EU andChina SJ/T 11364-2014

### E) ENCLOSURE

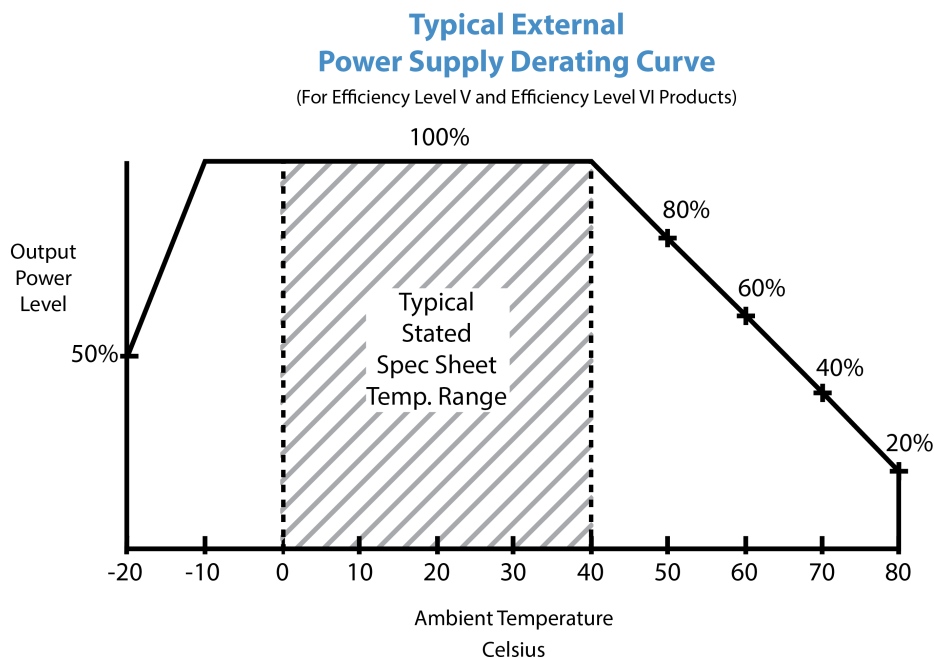
- 01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
- 02. Size: 111.0 x 52.0 x 32.3 +/-1.0 mm
- 03. Markings: Label and/or Pad Printed and/or Molded in the case

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## DERATING CURVE



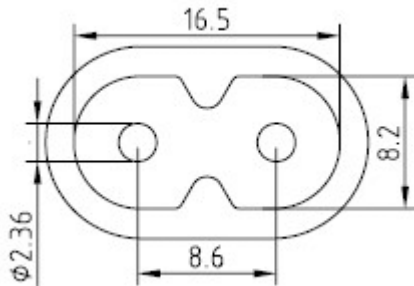
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## INPUT CONFIGURATION

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

| 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 Applicable                                                                  | EU 230V CoC Tier 2, 278/2009, Mar 2014                                                                                                                                                                                                                        |
| No Logo                                                                             | IEC 60950-1: 2005 (Second Edition) + Am 1: 2009 + Am 2: 2013                                                                                                                                                                                                  |
| No Logo Applicable                                                                  | CB for IEC 62368-1:2014 (Second Edition)                                                                                                                                                                                                                      |
|    | 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>                   |
| Conforms to UL STD.<br>62368-1<br>Certified to CSA STD<br>C22.2 NO.62368-1          | Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2 NO.62368-1                                                                                                                                                                                          |
|  | UL60950-1, cULus to UL 60950-1 E170507                                                                                                                                                                                                                        |
|  |                                                                                                                                                                                                                                                               |
|  | Declaration ДС № EAЭC N RU Д-US.KA01.B.10453_19 Custom Union of Russia, Belarus and Kazakhstan <a href="http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration">http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration</a>      |
|  | 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. |
| CAN<br>ICES-3(B)/NMB-3(B)                                                           | Compliance of this PSU with Industry Canada, Class B demonstrated with a standard output load. The ICES law stipulates that system-level testing is required to demonstrate compliance with the ICES-3 emission limits with the actual system load.           |
|                                                                                     |                                                                                                                                                                                                                                                               |

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|                                                                                                      |                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | 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)                                                                                                                                                          |
| <br>GlobTek, Inc.   | JAPAN TUV R-PSE, Cert. No. JD 50473430, to J62368-1(H30) , J55032(H29),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations:<br><a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a> |
| EFFICIENCY LEVEL    | 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                                                                                                                                                                                                                                     |
|                    | Morocco SDoC declaration<br><a href="http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/">http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/</a>                                                                                              |
|                   | NOM (Mexico) to NOM-001-SCFI-1993 GT-46400-3612-T2                                                                                                                                                                                                             |
| <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>        |
| 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>                                                                  |
|                   | SIQ Mark EN 62368-1:2014 + All:2017                                                                                                                                                                                                                            |
|                   | UKCA Certification                                                                                                                                                                                                                                             |
|                                                                                                      |                                                                                                                                                                                                                                                                |

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|                                                                                            |                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> )                                                      |
|           | UL 62368-1 and CAN/CSA C22.2 No. 62368-1-14                                                                                                                                                                       |
|           | 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 |