

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

Model:GT-5001XX-YY

May 12, 2024

## GT-5001XX-YY

### Information

|                               |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                  | GT-5001XX-YY                                                                                                                                                                                                                                                                                                                                                                                           |
| Description                   | GT-5001XX-YY, POWER SUPPLY FOR MEDICAL USE, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V- , 50/60Hz, IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 60 Watts, Power rating with convection cooling (W) , 12-30V in 0.1V increments, Approvals: EAC; CE; cUR; PSE; Ukraine; RoHS; WEEE; IP40; Class I; China RoHS; SIQ; PSE; |
| Model Picture                 |                                                                                                                                                                                                                                                                                                                       |
| Agency Documents              | <a href="http://www.globtek.info/certs/GT-5001/">http://www.globtek.info/certs/GT-5001/</a>                                                                                                                                                                                                                                                                                                            |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000BzkfyEAB">https://www.globtek.com/pdf/ec_declaration/a0Oa000000BzkfyEAB</a>                                                                                                                                                                                                                                                              |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000BzkfyEAB">https://www.globtek.com/pdf/rohs_cert/a0Oa000000BzkfyEAB</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           | POWER SUPPLY FOR MEDICAL USE                       |
| Input Voltage      | 100-240V- , 50/60Hz                                |
| I/P Amps (A)       | 1.6-0.7A                                           |
| Wattage (W)        | 60.0                                               |
| Vout Range (V)     | 12-30                                              |
| Efficiency Level   |                                                    |
| Ingress Protection | IP40                                               |
| Size (mm)          | 0                                                  |

**PROPRIETARY INFORMATION**

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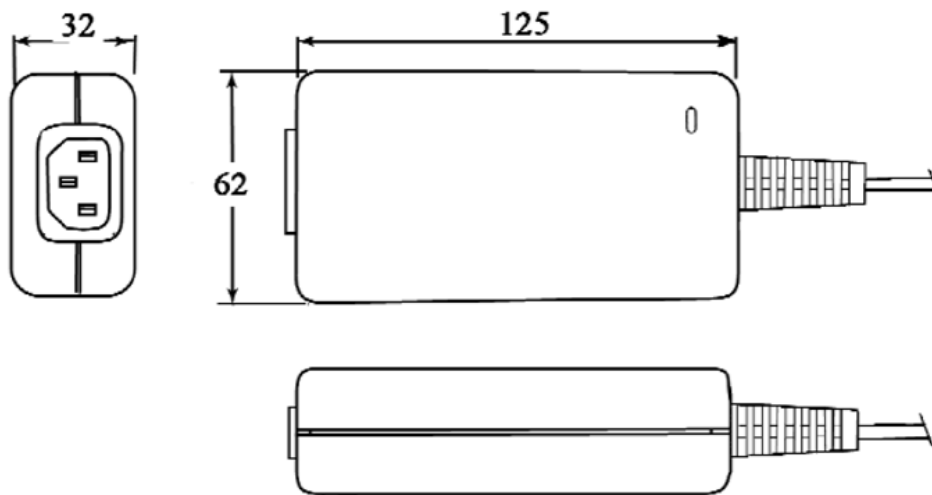
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## ENCLOSURE



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## RATING TABLE

| Model Number        | Voltage | Amps(A) | Watts(W) | RFQ                 |
|---------------------|---------|---------|----------|---------------------|
| GT-500148-12        | 12 V    | 4       | 48.00    | <a href="#">RFQ</a> |
| GT-500148-15        | 15 V    | 3.3     | 49.50    | <a href="#">RFQ</a> |
| GT-500148-24        | 24 V    | 2.1     | 50.40    | <a href="#">RFQ</a> |
| GT-500160-30-2.0-T2 | 28 V    | 2.14    | 59.92    | <a href="#">RFQ</a> |
| GT-500160-30        | 30 V    | 2       | 60.00    | <a href="#">RFQ</a> |
| GT-500160-30-B      | 30 V    | 2       | 60.00    | <a href="#">RFQ</a> |

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## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 0.5% typical measured at full load
05. Output Ripple (Vp-p): <300mV
06. Turn-ON/OFF Overshoot: 4% maximum, 500uS typical recovery time for 25% step load
07. Turn-ON Delay: 3 Sec, max
08. Hold-Up Time: 16 mS typical @ nominal input voltage and full load
09. Inrush Current: 40A max at cold start
10. Switching Frequency: 100 KHz typical
11. Over current/short circuit: current limited, auto recovery fold back

### B) PROTECTION

01. Over-Voltage: voltage limited by crowbar method, output will auto-recover upon removal of over voltage
02. Short Circuit: Hiccup mode, output will autorecover upon removal of short
03. Over-load: Hiccup mode, output will auto-recover upon removal of overload
04. Input Protection: Input fusing

### C) SAFETY

01. Dielectric Withstand Voltage: 4000 Vac or 5656 Vdc from primary to secondary
02. Earth Leakage Current: Maximum allowed values: 5 mA NC(Normal condition); 10 mA SFC(single fault condition)
03. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
04. MTBF: 200,000 hours @ 25°C ambient temperature
05. Operating Temperature: 0°C to 40°C ambient temperature
06. Humidity: 0% to 90% relative humidity
07. Storage Temperature: -10°C to 80°C
08. 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: 125 x 62 x 33 ± 0.5 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case
04. Green LED for indicating Power On

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## DERATING CURVE

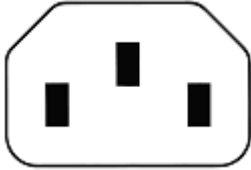
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## INPUT CONFIGURATION

Description IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle and cord option available on some models by request.:



### [Standard International IEC 320/C13 Cordsets](#)

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

## Stock Power Supply Cords

| Part Number/ Link                 | Country              | Plug                    | Termination | Length (mm) | (Ft) |
|-----------------------------------|----------------------|-------------------------|-------------|-------------|------|
| <a href="#">3021457F701(R)</a>    | N. American (Type B) | NEMA 5-15P              | IEC 320/C13 | 2150        | 7    |
| <a href="#">1191068F0701(R)</a>   | N. American (Type B) | NEMA 5-15P Hospital     | IEC 320/C13 | 2459        | 8    |
| <a href="#">2194272M5701-T(R)</a> | Argentina (Type I)   | IRAM 2073               | IEC 320/C13 | 2500        | 8    |
| <a href="#">5502022M5701A(R)</a>  | Australian (Type I)  | AS3112 / 3 PRONG        | IEC 320/C13 | 2500        | 8    |
| <a href="#">204B4272M5701(R)</a>  | Brazil (Type N)      | BRAZIL                  | IEC 320/C13 | 2500        | 8    |
| <a href="#">6023602M5701(R)</a>   | China (Type I)       | CCC GR2099              | IEC 320/C13 | 2500        | 8    |
| <a href="#">G8014272M5701(R)</a>  | Danish (Type K)      | AFSNIT SECTION 107-2-D1 | IEC 320/C13 | 2500        | 8    |
|                                   |                      |                         | IEC         |             |      |

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|                                       |                                                |                                                                                               |             |      |   |
|---------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|------|---|
| <a href="#">23144272M5701-T(R)</a>    | Europe (Type E)                                | CEE 7/7                                                                                       | 320/C13     | 2500 | 8 |
| <a href="#">23134272M5701EUKR(R)</a>  | Europe/Korea Combo (Type E)                    | CEE 7/7 / KSC8305                                                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">205IN4272M5701(R)</a>     | India (Type D)                                 | India IS 1293 (also known as IA16A3 or BS546)                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">208IN4272M5701(R)</a>     | India (Type M)                                 | India IS 1293 (also known as IA16A3 or BS546)                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">377C4272M5701(R)</a>      | Israel (Type H)                                | ISL 377C                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">23024272M5701(R)</a>      | Italy (Type L)                                 | CEI 23-16/VII                                                                                 | IEC 320/C13 | 2500 | 8 |
| 3003339F701(R)<br>[3x1.25mm2]         | Japan (Type B)                                 | JIS 8303 / 3 PINS                                                                             | IEC 320/C13 | 2500 | 8 |
| 3003068F2701-HK(R)<br>[3 x 2.0mm2]    |                                                |                                                                                               |             |      |   |
| <a href="#">302J115J6F0701J(R)</a>    | North America / Japan (Type B – 12A)           | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)                                  | IEC 320/C13 | 1830 | 6 |
| <a href="#">302J104J6F0701J(R)</a>    | North America / Japan (Type B – 15A)           | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)                                  | IEC 320/C13 | 1830 | 6 |
| <a href="#">302JT104J9F0701JT(R)</a>  | North America / Japan / Taiwan (Type B – 15A)  | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved) | IEC 320/C13 | 2800 | 9 |
| <a href="#">2313K3432M5701(R)</a>     | Korea (Type F)                                 | KS C 8305                                                                                     | IEC 320/C13 | 2500 | 8 |
| <a href="#">5804272M5701(R)</a>       | Russia (Type F)                                | GOST 7396                                                                                     | IEC 320/C13 | 2500 | 8 |
| <a href="#">2084272M5701(R)</a>       | South Africa (Type M)                          | South Africa SABS164-1 (16A type)                                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">23214272M5701(R)</a>      | Switzerland (Type J)                           | SEV 1011                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">3003322M5701(R)</a>       | Taiwan (Type B)                                | BSMI                                                                                          | IEC 320/C13 | 2500 | 8 |
| <a href="#">6363762M5701(R)</a>       | Thailand (Type O)                              | TIS 166-2549                                                                                  | IEC 320/C13 | 2500 | 8 |
| <a href="#">PZ0800100-2M5BK13H(R)</a> | UK, Hong Kong, Singapore, Gulf States (Type G) | BS 1363A                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">7055002M5701A(R)</a>      | International                                  | IEC 320 C14-C13                                                                               | IEC 320/C13 | 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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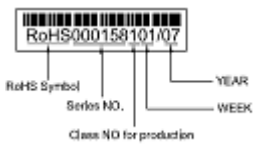
## Approvals

| Logo                                                                                                 | Description                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Attention Mark / Refer to operating manual for operating and service instructions                                                                                                                                                      |
|                     | Caution/Attention                                                                                                                                                                                                                      |
|                     | CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, E including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6 EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in       |
|                     | 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%20Declar">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declar</a>                                  |
|                                                                                                      | Class I Earth Ground                                                                                                                                                                                                                   |
|                   | UR 60601-1,File #E172861 or Optional E341350, 1st Edition, 2006-04-26 CAN/C 601.1-M90, 2005                                                                                                                                            |
|                   | Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kaza                                                                                                                                                            |
|                   | 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                                                                                                                                                  |
| <br>GlobTek, Inc. | JAPAN TUV R-PSE, Cert. No. JD 50469658, to J62368-1(H30) , J55032(H29),J3000(H25)[DC15?30V]. Please reference the following website for regulations: <a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a> |
| <br>GlobTek, Inc. | JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000 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<br><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>     |
|   | Serial Number Information                                                                                                                                                         |
|   | SIQ Mark EN 60601-1:2006 + All:2011 for GT-5001                                                                                                                                   |
|   | Ukraine UKR Sepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine">www.globtek.com/html/iso_certificates/GT_Ukraine</a> )                             |
|  | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/w">http://ec.europa.eu/environment/waste/w</a> )<br>Mark is on the label or Molded in the case |