

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

Model:GTM43004P-WWVV-x.x-P3

May 3, 2024

GTM43004P-WWVV-x.x-P3

Information

| | |
|-------------------------------|---|
| Model Number | GTM43004P-WWVV-x.x-P3 |
| Description | GTM43004P-WWVV-x.x-P3, Medical Power Supply, Potted/Encapsulated in plastic housing, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, , Output Rating: 120 Watts, Power rating with convection cooling (W) , 5-48V in 0.1V increments, Approvals: IP68; CE; Class I; GOST-R; Level V; PSE; RoHS; China RoHS; Ukraine; VCCI; WEEE; cRUus; Designed to meet 60950-1; cULus; Designed to meet 60335; Designed to meet EN 60950-1; Designed to meet EN 60601-1; |
| Model Picture |  |
| Agency Documents | http://www.globtek.info/certs/GTM43004P/ |
| CE EC-Declaration | https://www.globtek.com/pdf/ec_declaration/a0Oa000000HSp93EAD |
| RoHS/RoHS2 Declaration | https://www.globtek.com/pdf/rohs_cert/a0Oa000000HSp93EAD |
| REACH Declaration | 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

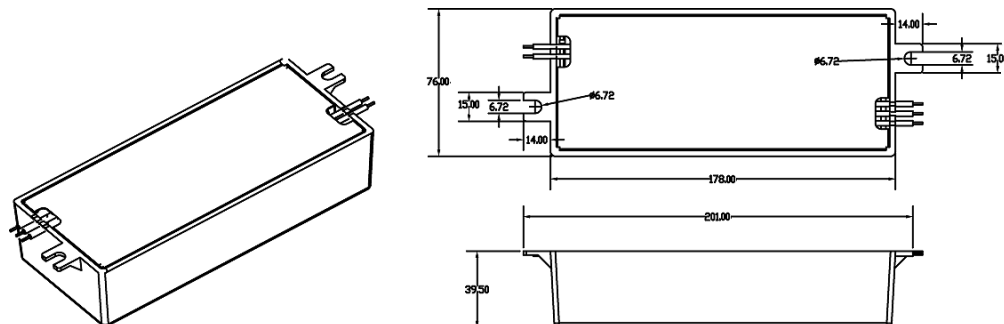
| | |
|--------------------|--|
| Type | Potted/Encapsulated in plastic housing |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | Medical Power Supply |
| Input Voltage | 100-240V~, 50-60 Hz |
| I/P Amps (A) | 2.0A |
| Wattage (W) | 120.0 |
| Vout Range (V) | 5-48 |
| Efficiency Level | V |
| Ingress Protection | IP68 |
| Size (mm) | 178.0*76.0*39.5 |

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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|-------------------------|---------|---------|----------|---------------------|
| GTM43004P-508.9-3.9-P3 | 5 V | 10 | 50.00 | RFQ |
| GTM43004P-508.9-2.9-P3 | 6 V | 10 | 60.00 | RFQ |
| GTM43004P-9016-7.0-P3 | 9 V | 10 | 90.00 | RFQ |
| GTM43004P-12016-4.0-P3 | 12 V | 10 | 120.00 | RFQ |
| GTM43004P-9016-1.0-P3 | 15 V | 6 | 90.00 | RFQ |
| GTM43004P-12016-1.0-P3 | 15 V | 8 | 120.00 | RFQ |
| GTM43004P-12024-6.0-P3 | 18 V | 6.66 | 119.88 | RFQ |
| GTM43004P-12024-5.0-P3 | 19 V | 6.31 | 119.89 | RFQ |
| GTM43004P-12024-4.0-P3 | 20 V | 6 | 120.00 | RFQ |
| GTM43004P-9024-4.0-P3 | 20 V | 4.5 | 90.00 | RFQ |
| GTM43004P-12024-P3 | 24 V | 5 | 120.00 | RFQ |
| GTM43004P-12035-5.0-P3 | 30 V | 4 | 120.00 | RFQ |
| GTM43004P-12048-12.0-P3 | 36 V | 3.33 | 119.88 | RFQ |
| GTM43004P-12048-P3 | 48 V | 2.5 | 120.00 | RFQ |

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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 200 mV whichever is greater, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 47 uf electrolytic capacitor connected at the end of the output connector at nominal line
06. Turn-ON/OFF Overshoot: 10% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 3000 mS, maximum @ full load, nominal line
08. Hold-Up Time: 10 mS typical @ nominal input voltage and full load
09. Inrush Current: 40A typical 115VAC input and 60A typical at 230VAC input
10. Switching Frequency: 100 KHz typical

B) PROTECTION

01. Over-Voltage: AC cycling required to reset output
02. Short Circuit: AC cycling required to reset output
03. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: 5656 Vdc from primary to secondary
2. Earth Leakage Current: Maximum allowed values: 5 mA NC(Normal condition); 10 mA SFC(single fault condition)
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord
5. Means of Protection: 2 x MOPP
6. Primary to Secondary Bridging Capacitor: (2) * Y1 type capacitors in series

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. Size: 178.0*76.0*39.5 mm +/-1.0 mm
02. Markings: Label

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DERATING CURVE

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INPUT CONFIGURATION

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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 |
|---|---|
|  | CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mark is on the label or Molded in the case |
|  | CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf |
| No Logo | Designed to meet cRUus UL Recognized Component 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008) 3rd Edition |
| No Logo | Designed to meet 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 cULus LISTED UL 1310 Class 2 up to 36 volts, 5.0 Amps |
| No logo | Designed to meet EN 60335-1 (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) up to 36 volts |
| No Logo | Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition |
| No Logo | Designed to meet EN 60950-1 :2006+Am 1:2010+Am 11 :2009+Am 12:2011+A2:2013 |
|  | GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf). 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 |
| IP68 | Ingress Protection: ?IP68 to IEC60529:2001 Totally dust tight and Protected against long periods of immersion under pressure |
| 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) |
|  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: https://www.globtek.com/r2/Szj4Vb |

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|---|---|
| RoHS | Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf |
|  | UKCA Certification |
|  | Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf) |
|  | Japan: Voluntary Control Council for Interference (VCCI) |
|  | WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/weee/index_en.htm) Mark is on the label or Molded in the case |