

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

Model:GTM1200P1200VV-T3

October 7, 2022

GTM1200P1200VV-T3

Information

| | |
|-------------------------------|---|
| Model Number | GTM1200P1200VV-T3 |
| Description | GTM1200P1200VV-T3, Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 1200 Watts, Power rating with convection cooling (W) , 12-48V in 0.1V increments, Approvals: |
| Model Picture |  |
| Agency Documents | http://www.globtek.info/certs/GTM961200P/ |
| CE EC-Declaration | https://www.globtek.com/pdf/ec_declaration/a00a000000HUPVwEAP |
| RoHS/RoHS2 Declaration | https://www.globtek.com/pdf/rohs_cert/a00a000000HUPVwEAP |
| 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 | Open Frame/Internal |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | Medical Power Supply |
| Input Voltage | 100-240V~, 50-60 Hz |
| I/P Amps (A) | 10A |
| Wattage (W) | 1200.0 |
| Vout Range (V) | 12-48 |
| Efficiency Level | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | |
| Size (mm) | 4.2*12*1U inches |

PROPRIETARY INFORMATION

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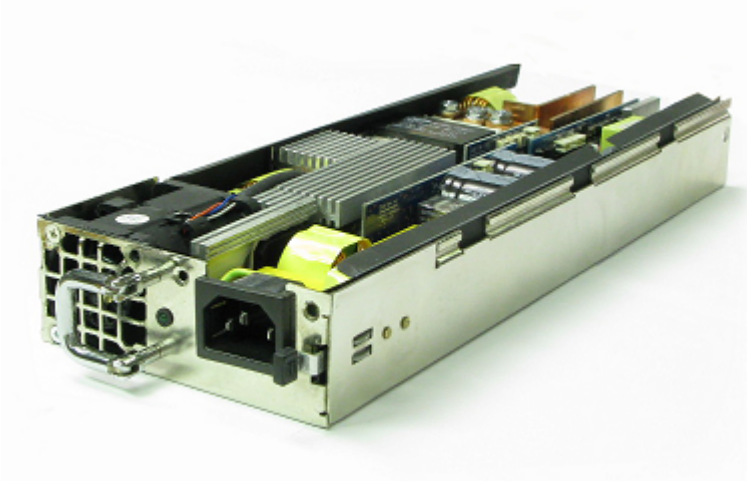
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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|-----------------|---------|---------|----------|---------------------|
| a17a000000LICrW | V | | | RFQ |

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 100-240 Vac
02. Input Frequency: 47 - 63 Hz
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
11. 14W/cu inch power density
12. N+1, active current sharing
13. 5V, 3.3V or 12V aux. output option

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. Means of Protection: 2 x MOPP
5. 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: Forced Air

E) ENCLOSURE

01. Size: 4.2*12*1U inches

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

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| | | | | | |
|---------------------------------------|---|---|----------------|------|---|
| 23144272M5701-T(R) | Europe (Type E) | CEE 7/7 | 320/C13 | 2500 | 8 |
| 23134272M5701EUKR(R) | Europe/Korea Combo (Type E) | CEE 7/7 / KSC8305 | IEC 320/C13 | 2500 | 8 |
| 205IN4272M5701(R) | India (Type D) | India IS 1293 (also known as IA16A3 or BS546) | IEC 320/C13 | 2500 | 8 |
| 208IN4272M5701(R) | India (Type M) | India IS 1293 (also known as IA16A3 or BS546) | IEC320/C13 | 2500 | 8 |
| 377C4272M5701(R) | Israel (Type H) | ISL 377C | IEC 320/C13 | 2500 | 8 |
| 23024272M5701(R) | Italy (Type L) | CEI 23-16/VII | IEC 320/C13 | 2500 | 8 |
| 3003339F701(R) [3x1.25mm2] | Japan (Type B) | JIS 8303 / 3 PINS | IEC 320/C13 | 2500 | 8 |
| 3003068F2701-HK(R) [3 x 2.0mm2] | | | | | |
| 302J115J6F0701J(R) | North America / Japan (Type B – 12A) | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved) | IEC 320/C13 | 1830 | 6 |
| 302J104J6F0701J(R) | North America / Japan (Type B – 15A) | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved) | IEC 320/C13 | 1830 | 6 |
| 302JT104J9F0701JT(R) | 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 |
| 2313K3432M5701(R) | Korea (Type F) | KS C 8305 | IEC 320/C13 | 2500 | 8 |
| 5804272M5701(R) | Russia (Type F) | GOST 7396 | IEC 320/C13 | 2500 | 8 |
| 2084272M5701(R) | South Africa (Type M) | South Africa SABS164-1 (16A type) | IEC 320/C13 | 2500 | 8 |
| 23214272M5701(R) | Switzerland (Type J) | SEV 1011 | IEC 320/C13 | 2500 | 8 |
| 3003322M5701(R) | Taiwan (Type B) | BSMI | IEC 320/C13 | 2500 | 8 |
| 6363762M5701(R) | Thailand (Type O) | TIS 166-2549 | IEC 320/C13 | 2500 | 8 |
| PZ0800100-2M5BK13H(R) | UK, Hong Kong, Singapore, Gulf States (Type G) | BS 1363A | IEC 320/C13 | 2500 | 8 |
| 7055002M5701A(R) | International | IEC 320 C14-C13 | IEC 320/C13 | 2500 | 8 |

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Approvals

| Logo | Description |
|---|--------------------|
|  | UKCA Certification |