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Model:GTMV6480-48VV-F

September 19, 2019

## GTMV6480-48VV-F

### Information

Model Number GTMV6480-48VV-F

Description GTMV6480-48VV-F, Medical Power Supply, Open Frame/Internal, 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: 48 Watts, Power rating with convection cooling (W) ,  $\pm 48V$  in 0.1V increments, Approvals: EAC;

Model Picture

Agency

Documents

CE

EC-Declaration [https://www.globtek.com/pdf/ec\\_declaration/a000c00000PGqRCEA1](https://www.globtek.com/pdf/ec_declaration/a000c00000PGqRCEA1)

RoHS/RoHS2

Declaration [https://www.globtek.com/pdf/rohs\\_cert/a000c00000PGqRCEA1](https://www.globtek.com/pdf/rohs_cert/a000c00000PGqRCEA1)

REACH

Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](https://www.globtek.com/pdf/iso_certificates/REACH.pdf)

Conflict

Minerals

Declaration <https://www.globtek.com/pdf/conflict-minerals.pdf>

Declaration

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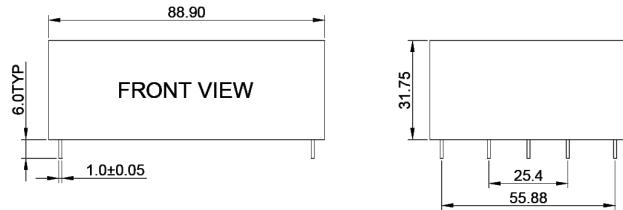
**Model Parameters**

Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V- , 50/60Hz
I/P Amps (A)	1.2A
Wattage (W)	48.0
Vout Range (V)	±48
Efficiency Level	VI
Ingress Protection	
Size (mm)	

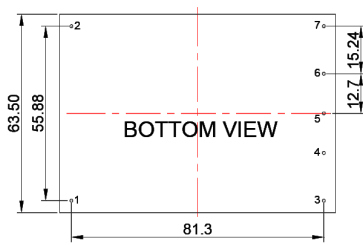
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**ENCLOSURE**


PIN	Model
	Single
1	ACN
2	ACL
3	+Vo
4	NO PIN
5	-Vo
6	NO PIN
7	NC


 UNIT: mm Unless otherwise specified, all tolerances are  $\pm 0.50$

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**RATING TABLE**

Model Number Voltage Amps(A) Watts(W) RFQ

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**SPECIFICATIONS****A) ELECTRICAL SPECIFICATIONS:**

1. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
3. Output Regulation: +/- 5% measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
4. Line Voltage Regulation: +/- 3% typical measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
  
5. Output Ripple (Vp-p): 400mV Ripples shall be measured with a 47uF electrolytic capacitor paralleled with a high-frequency 0.47uF ceramic capacitor across the output. The oscilloscope's bandwidth shall be set to 20MHz.
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 us maximum recovery time for 25% step load.
7. Turn-On Delay: 3000mS MAX at 115VAC Full Load
8. Hold-Up Time: 8mS Min at 100VAC Full Load
9. Inrush Current: No damage. On power when switching on/off repeatedly under any condition.
10. Switching Frequency: 65 KHz typical
11. Average Efficiency: 85% typical

**B) PROTECTION**

- 1 Short Circuit Protection Output shut down and auto restart
- 2 Over Load Protection Output shut down and auto restart
3. Input Protection: Input line fusing

**C) SAFETY**

1. Dielectric Withstand Voltage: 4000Vac 0.3mA 1 minute
2. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

**D) OTHER:**

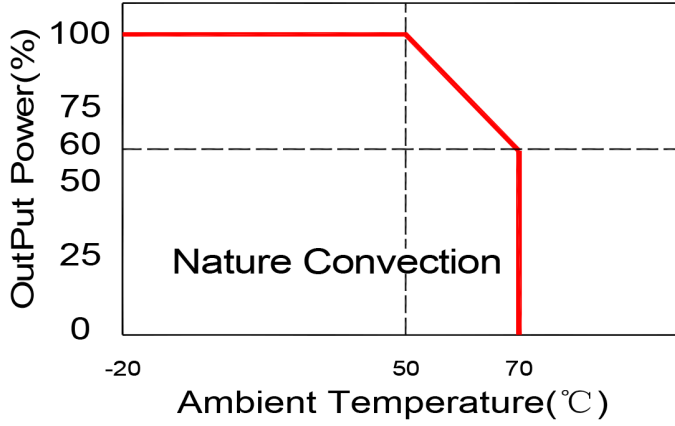
1. Operating Temperature: -10°C to 60°C ambient temperature
2. Humidity: 10% to 95% relative humidity
3. Storage Temperature: -20°C to 80°C

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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
<a href="#">23144272M5701-T(R)</a>	Europe (Type E)	CEE 7/7	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)	IEC320/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
<a href="#">3003339F701(R)</a> [3x1.25mm2]	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C13	2500	8

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<a href="#">3003068F2701-HK(R)</a> [3 x 2.0mm2]						
<a href="#">302J115J6F0701J(R)</a>	Japan / North America (Type B – 12A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6	
<a href="#">302J104J6F0701J(R)</a>	Japan / North America (Type B – 15A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6	
<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="#">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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## Approvals

Logo	Description
	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>