

Model:GTMB1057-60VV-x.x-T3

May 12, 2024

GTMB1057-60VV-x.x-T3

Information

Model Number	GTMB1057-60VV-x.x-T3
Description	GTMB1057-60VV-x.x-T3, Medical Power Supply, Desktop/External, 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: 60 Watts, Power rating with convection cooling (W) , 10-30V in 0.1V increments, Approvals: EAC; CE; WEEE; SIQ; cUR; FCC; PSE; IP40; CB 60601-1; RoHS; China RoHS; Ukraine;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT(M)B1057/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZiEAK
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZiEAK
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

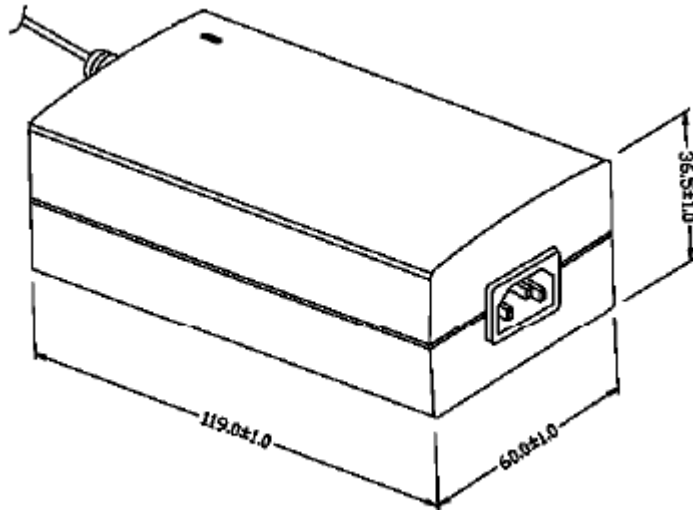
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	2.0-1.0A
Wattage (W)	60.0
Vout Range (V)	10-30
Efficiency Level	Meets/Exceeds for Medical
Ingress Protection	IP40
Size (mm)	119*60.5*36.5

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTMB1057-6010	10 V	6	60.00	RFQ
GTMB1057-6012	12 V	5	60.00	RFQ
GTMB1057-6015	15 V	4	60.00	RFQ
GTMB1057-6018	18 V	3.3	59.40	RFQ
GTMB1057-6019	19 V	3.2	60.80	RFQ
GTMB1057-6020	20 V	3	60.00	RFQ
GTMB1057-6022	22 V	2.7	59.40	RFQ
GTMB1057-6024	24 V	2.5	60.00	RFQ
GTMB1057-6030	30 V	2	60.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: 100-240 Vac
2. Input Current: 2.0A - 1.0A RMS max
3. Input Frequency: 47 - 63 Hz
4. Output Power (Rated): 60 Watts max
5. Output Regulation: +/- 5% measured at the output connector
6. Line Voltage Regulation: +/- 1.0% maximum at full load, measured at the output connector
7. Output Ripple (Vp-p): 1% or 50 mV whichever is greater measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
8. Turn-On/Turn-Off Overshoot: 5% maximum, 500uS maximum recovery time for 25% step load
9. Turn-On Delay: <3 second at 115VAC
10. Hold-Up Time: 8mS minimum at nominal input and full load
11. Inrush Current: 40A max at cold start for N.A. (90A for Euro)
12. Switching Frequency: 100 KHz typical
13. Output Rise Time: <35 mS
14. Hold on time: 3S at 115V
15. Efficiency: 80% @ 115Vac,Typically
16. No Load power Consumption: <1.0 W @ 115 Vac,25°C

B) PROTECTION

1. Over-Voltage: Protected, Hiccup with auto recovery, unit will recover upon removal of fault
2. Short Circuit: Protected, Hiccup with auto recovery, unit will recover upon removal of fault
3. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: 5656 Vdc from primary to secondary
2. Earth Leakage Current: Did not exceed 5 mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION
3. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Means of Protection: 2 x MOOP

D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: -10°C to 80°C
5. ROHS 2: Complies with EU 2011/65/EU & CHINA SJ/T 11363-2006

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 119*60.5*36.5 mm +/-1.0
4. Green LED indicator for power "Power On"

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DERATING CURVE

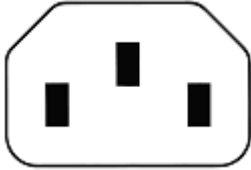
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INPUT CONFIGURATION

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)
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)	IEC 320/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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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
No Logo Applicable	CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60601-1-M90, 2005 Edition including 2MOOP requirements
	CE Mark: tested to comply with EN61000-3-2, EN61000-3-3 and EN50082-1, inc EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61001-1-2-2007 EMI: Complies with EN55011 CLASS B and FCC Part 15 B
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration.pdf
	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 Kazakhstan
	FCC PART 15 CLASS B
	Protective Earth (ground)
	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

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 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: https://www.globtek.com/r2/Szj4Vb
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015 http://www.ce-mark.com/Rohs%20final.pdf
 RoHS Symbol Series NO. YEAR WEEK Class NO for production	Serial Number Information
 IEC/EN60601-1	SIQ Mark License EN60601-1, 3rd edition
	UKCA Certification
 10276	Ukraine UKRSeuro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine)
	WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/wEEE/) Mark is on the label or Molded in the case