

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

Model:GTMF3057-180VV-T3

September 19, 2019

GTMF3057-180VV-T3

Information

Model Number GTMF3057-180VV-T3

Description GTMF3057-180VV-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: 180 Watts, Power rating with convection cooling (W) , 12-55V in 0.1V increments, Approvals: CE; RoHS; China RoHS; VCCI; Class I; GOST-R; Ukraine; Level VI; WEEE;

Model Picture



Agency Documents <http://en.globtek.com/safety-agency-documents-pending/>

CE EC-Declaration https://www.globtek.com/pdf/ec_declaration/a00a000000Mgsm7EAB

RoHS/RoHS2 Declaration https://www.globtek.com/pdf/rohs_cert/a00a000000Mgsm7EAB

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

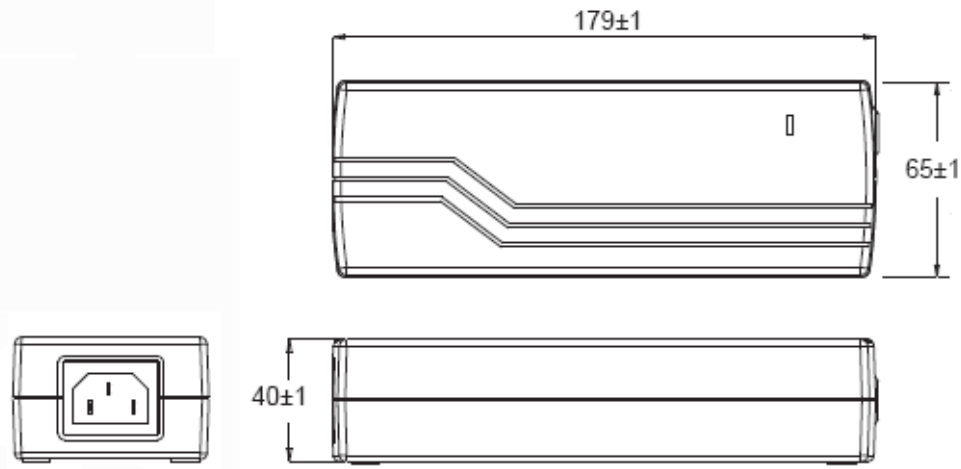
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	2.0A MAX
Wattage (W)	180.0
Vout Range (V)	12-55
Efficiency Level	VI
Ingress Protection	
Size (mm)	

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ENCLOSURE



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RATING TABLE

Model Number	Voltage(V)	Amps(A)	Watts(W)	RFQ
GTMF3057-16012-T312	12	13.33	159.96	RFQ
GTMF3057-16013-T313	12	12.31	160.03	RFQ
GTMF3057-16014-T314	12	11.43	160.02	RFQ
GTMF3057-16015-T315	12	10.67	160.05	RFQ
GTMF3057-16016-T316	12	10	160.00	RFQ
GTMF3057-18019-T319	18	9.47	179.93	RFQ
GTMF3057-18020-T320	18	9	180.00	RFQ
GTMF3057-18021-T321	18	8.57	179.97	RFQ
GTMF3057-18022-T322	18	8.18	179.96	RFQ
GTMF3057-18023-T323	18	7.83	180.09	RFQ
GTMF3057-18024-T324	18	7.5	180.00	RFQ
GTMF3057-18032-T332	18	5.63	180.16	RFQ
GTMF3057-18033-T333	18	5.45	179.85	RFQ
GTMF3057-18034-T334	18	5.29	179.86	RFQ
GTMF3057-13035-T335	13	3.71	129.85	RFQ
GTMF3057-18035-T335	18	5.14	179.90	RFQ
GTMF3057-18036-T336	18	5	180.00	RFQ
GTMF3057-18037-T337	18	4.86	179.82	RFQ
GTMF3057-18038-T338	18	4.74	180.12	RFQ
GTMF3057-18039-T339	18	4.62	180.18	RFQ
GTMF3057-18040-T340	18	4.5	180.00	RFQ
GTMF3057-18041-T341	18	4.39	179.99	RFQ
GTMF3057-18042-T342	18	4.29	180.18	RFQ
GTMF3057-16544-T344	16	3.75	165.00	RFQ
GTMF3057-16845-T345	16	3.75	168.75	RFQ
GTMF3057-17246-T346	17	3.75	172.50	RFQ
GTMF3057-17647-T347	17	3.75	176.25	RFQ
GTMF3057-18048-T348	18	3.75	180.00	RFQ
GTMF3057-18049-T349	18	3.67	179.83	RFQ
GTMF3057-18050-T350	18	3.6	180.00	RFQ
GTMF3057-18051-T351	18	3.53	180.03	RFQ
GTMF3057-18052-T352	18	3.46	179.92	RFQ
GTMF3057-18053-T353	18	3.4	180.20	RFQ
GTMF3057-18054-T354	18	3.33	179.82	RFQ
GTMF3057-18055-T355	18	3.27	179.85	RFQ
GTMF3057-18056-T356	18	3.21	179.76	RFQ

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 output connector
4. Line Voltage Regulation: +/- 1% typical measures at full load
5. Ripple & noise: 1.5% of Vout p-p, measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
6. Dynamic Load Regulation. ±5% excursion for 50%-100% or 100%-50% load change of DC output at any frequency up to 1KHz (duty 50%) .
7. Turn-On Time: ≤3S
8. Hold-Up Time: ≥8.3mS
9. Inrush Current: ≤100A At cold start
10. Efficiency: Meet CEC Level VI

B) PROTECTION

1. Over Voltage Protection Latch off
2. Short Circuit Protection Auto Recovery
3. Over Current Protection Auto Recovery
4. Over Temperature Protection Latch off

C) SAFETY

- 1 Type of protection against electric shock: Class II with function earth (3 pin AC inlet)
2. Degree of protection against ingress of water: IPX0 (ordinary)
3. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
4. Mode of operation: Continuous
5. Touch Current: <0.25mA @ 240Vac input voltage
6. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord

D) OTHER:

1. MTBF: >30,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 10% to 90% relative humidity
4. Storage Temperature: -20°C to 85°C
5. Altitude : 5000m
6. ROHS 2: COMPLIES WITH EU 2011/65/EU AND 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: 179Lx65Wx40H (mm)
4. Weight: 705g
5. LED color; Green

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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
23144272M5701-T(R)	Europe (Type E)	CEE 7/7	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

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3003068F2701-HK(R) [3 x 2.0mm2]						
302J115J6F0701J(R)	Japan / North America (Type B – 12A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6	
302J104J6F0701J(R)	Japan / North America (Type B – 15A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6	
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	
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
	CE Certification
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php
	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.
EFFICIENCY LEVEL VI 	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)
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
10276 	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