

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

Model:GTM41076-06VV-Q

July 3, 2020

GTM41076-06VV-Q

Information

Model Number

GTM41076-06VV-Q

Description

GTM41076-06VV-Q, Medical Power Supply/Class 2 Power Supply, 60601-1-4th Ed. , Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 6 Watts, Power rating with convection cooling (W) , 5-30V in 0.1V increments, Approvals: EAC; cUR; Taiwan BSMI; SIQ; Ukraine; VCCI; RoHS; China RoHS; CB 60601-1; NrCAN; IP40; Level V; India; RCM; PSE; CCC; WEEE; Double Insulation; CE; CE;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GTM41076/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZrEAK

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZrEAK

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

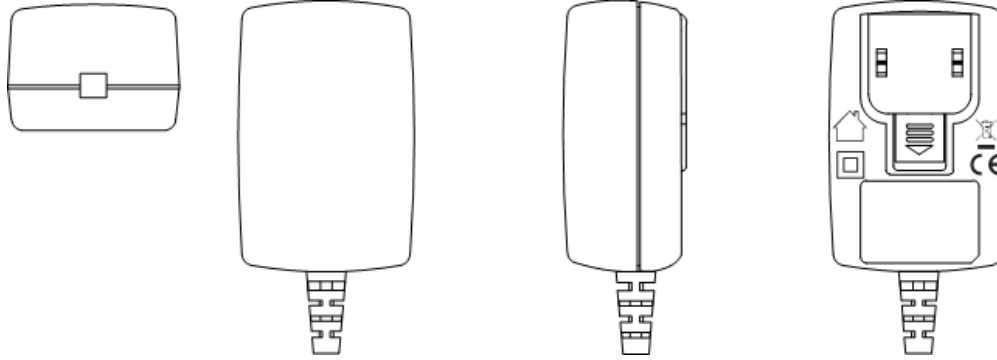
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply/Class 2 Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.16-0.1A
Wattage (W)	6.0
Vout Range (V)	5-30
Efficiency Level	IV
Ingress Protection	IP52
Size (mm)	74*44*34

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ENCLOSURE



LED INDICATOR: LED INDICATOR AVAILABLE UPON REQUEST. GREEN INDICATES POWER PRESENT.

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM41076-0605	5 V	1.2	6.00	RFQ
GTM41076-0606-0.9	5.1 V	1.176	6.00	RFQ
GTM41076-0606	6 V	1	6.00	RFQ
GTM41076-0607	7 V	0.85	5.95	RFQ
GTM41076-0612	12 V	0.5	6.00	RFQ
GTM41076-0615	15 V	0.4	6.00	RFQ
GTM41076-0618	18 V	0.33	5.94	RFQ
GTM41076-0620	20 V	0.3	6.00	RFQ
GTM41076-0624	24 V	0.25	6.00	RFQ
GTM41076-0630	30 V	0.16	4.80	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Regulation: +/- 5% measured at the output connector
4. Line Voltage Regulation: +/- 1% typical measures at full load
5. Output Ripple (Vp-p): 1% or 150 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
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 uS typical recovery time for 25% step load
7. Turn-On Delay: 3000 mS second typical
8. Hold-Up Time: 8mS typical @ nominal input voltage & full load
9. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
10. Switching Frequency: 66.5 KHz typical

B) PROTECTION

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

C) SAFETY

1. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
2. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)

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 95% relative humidity
 4. Storage Temperature: -40°C to 80°C
- Normal performance after 2h recovery time at the room temperature without connection to mains
5. 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: 43.5*74.0*35.3 mm +/-1.0

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DERATING CURVE

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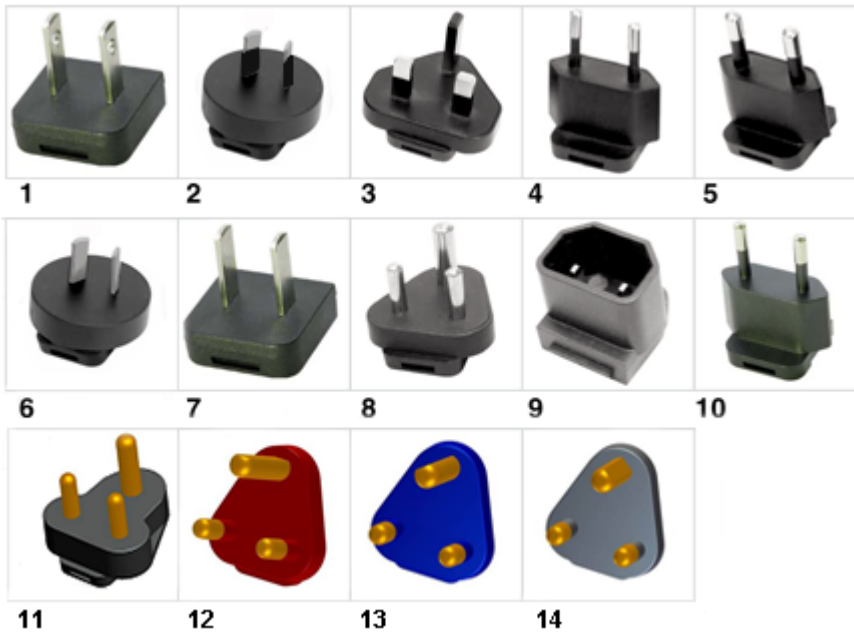
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INPUT CONFIGURATION

Description Blade Options for Q Series Wall Plug-in Power Supplies

 Data Sheet: <http://en.globtek.com/interchangeable-blades.php>

 Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>

 Video: [Q-Blade Style Instruction Video](#)


INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

01. United States / Canada / Japan NEMA 1-15P/IEC PLUG A[WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade/IEC TYPE I, Class II; AU P/N: Q-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground/IEC TYPE G, Class II; GB P/N: Q-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins/IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N:Q-CN(R)
08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
09. IEC320/C18 Inlet, Class II; P/N: Q-C18(R)
10. Brazilian NBR6147 configuration: 2 pins, Class II;SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
11. South Africa SABS164-1, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0°, Class II + dummy ground, IEC TYPE M Red, P/N: Q-SANS164-4L-16A(R)
13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<http://en.globtek.com/datasheet/id/a0030000007P7Zr>

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P/N:
Q-SANS164-4C-16A(R)
14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53°, Class II + dummy ground, Black,IEC TYPE M
P/N:
Q-SANS164-4R-16A(R)

Kits

01. Q-KIT: 1,2,3,4 above
02. Q-KIT-INTL: 2,3,4 above
03. Q-KIT-6: 1,2,3,4,5,6 above
04. Q-KIT-7: 1,2,3,4,5,6,7 above
05. Q-KIT-8: 1,2,3,4,5,6,7,8 above

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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
 R32282 RoHS	Taiwan BSMI GTM41076 R32282 7V, 12V,,24V http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=8167=2
	Caution/Attention
No Logo Applicable	CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60601-1:2006 3rd Edition including 2MOOP requirements
 仅适用于海拔2000M以下地区使用	CCC to GB4943.1-2011, Tropical <2000
	CE Certification Class II CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5 EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15 B
	Test standard: EN 60601-1-2: 2015
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs
	ANSI/AAMI ES60601-1: A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, CSA CAN/CSA-C22.2 NO. 60601-1:14

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	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	Bureau Of Indian Standards for GTM41076-0605(5V only)
	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
 Glob Tek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50471624, to J62368-1(H30) , J55032(H29),J3000(H25,[15V or less]. Please reference the following website for guidelines on PSE regulations: http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan
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)
	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canicsa-c3811-08/invnt/270248020
	Australia and New Zealand Regulatory Compliance, Mark (http://rcmstandards.org.au/rcmfaq/rcmfaq.htm)
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
	IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint)

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 10276	Ukraine UKRSepro (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