

Model:GTM41078-WWVV-X.X-USB

May 5, 2024

USB charger power supply AC adapter certified to 60601-1 Medical Grade , 6W

Information

Model Number	GTM41078-WWVV-X.X-USB
Description	60601-1 certified Medical USB wall plug in charger power supply with integrated USB receptacle, available in outputs from 5-6VDC. Changeable input plugs available for North America, Europe, United Kingdom, Australia, China, Korea, Argentina, Brazil

Model Picture



Agency Documents	http://www.globtek.info/certs/GTM41078-USB/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000HThBrEAL
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000HThBrEAL
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

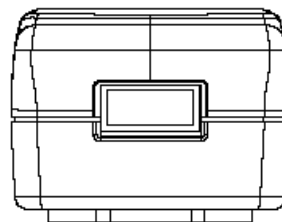
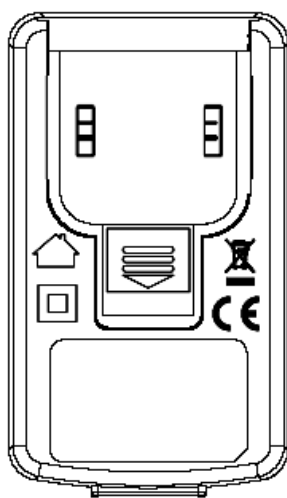
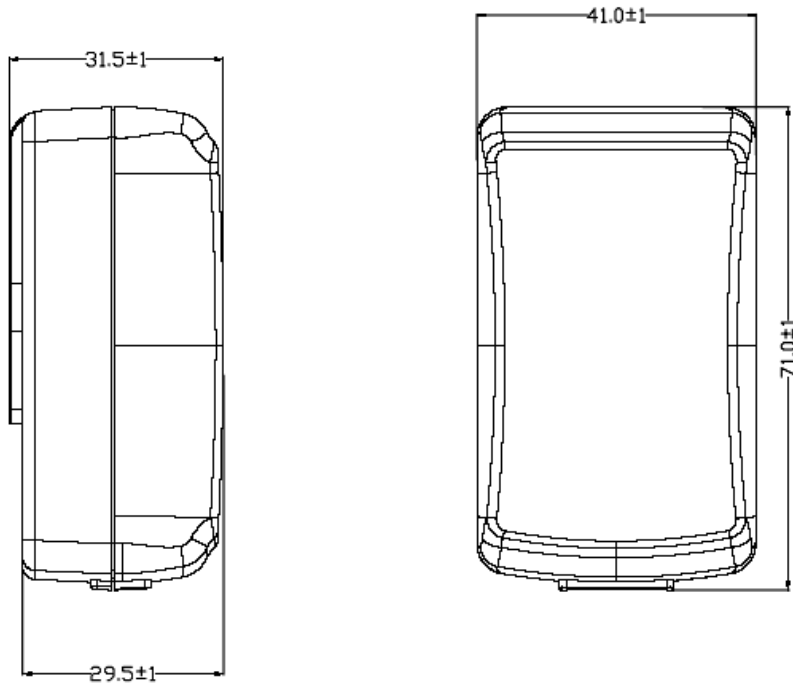
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT / ITE / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.3A
Wattage (W)	6.0
Vout Range (V)	5
Efficiency Level	V
Ingress Protection	Indoor Use
Size (mm)	41.0 x 71.0 x 31.5

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM41078-0505-USB	5 V	1	5.00	RFQ
GTM41078-0605-USB	5 V	1.2	6.00	RFQ
GTM41078-0506-0.8-USB	5.2 V	1.15	5.98	RFQ
GTM41078-0506-USB	6 V	0.83	4.98	RFQ
GTM41078-0506-USB	6 V	0.83	4.98	RFQ

PROPRIETARY INFORMATION

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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 Power (Rated): 6Watts maximum
4. Output Regulation: +/- 5% measured at the output connector measured at the end of a 1 meter USB cordset employing #22 Gauge conductors
5. Line Voltage Regulation: +/- 1% typical measured at the output connector measured at the end of a 1 meter USB cordset employing #22 Gauge conductors
6. Output Ripple (Vp-p): +/-1% or 100 mV whichever is greater measured at the end of a 1 meter USB cordset employing #22 Gauge conductors. Measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector.
7. Turn-On/Turn-Off Overshoot: 5% maximum, 500 us maximum recovery time for 25% step load.
8. Turn-On Delay: 3000 mSEC maximum
9. Hold-Up Time: 8mSec maximum at nominal input and full load.
10. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
11. Switching Frequency: 66.5 KHz typical

B) PROTECTION

1. Over-Voltage Protection: 110% to 140% of nominal output voltage: 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: 5656Vdc from primary to secondary
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Means of Protection: 2 x MOPP
5. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) EMC

EN 60601-1-2, 4th edition

Emissions, per EN 55032, EN 61000-6-3, EN61000-6-4, CISPR11 and CISPR22

Conducted Emissions: Class B, FCC Part 15, Class B

Radiated Emissions: Class B, FCC Part 15, Class B

Line Frequency Harmonics EN61000-3-2, Class A

Voltage Fluctuations/Flicker EN61000-3-3

E) 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

F) ENCLOSURE

1. Housing: High impact plastic, 94V0 polycarbonate, non-vented

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2. Size: 41.0 x 71.0 x 31.5 mm +/-1.0 mm
3. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

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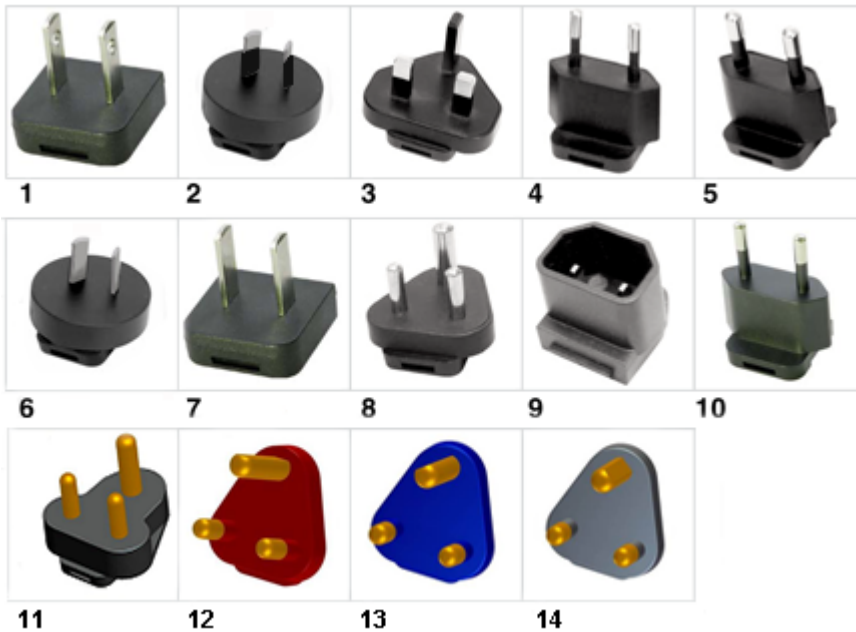
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INPUT CONFIGURATION

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 Type 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. IEC60320/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 and India IS 1293, IS694, 16A type plug, 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-SANS164-4C-16A(R)

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13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,
P/N:

Q-SANS164-4L-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	Taiwan BSMI 5V design only; http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=816&mp=
No Logo Applicable	CB report IEC60601-1 2005 A1+C1+C2 2016-2-4 and or EN 60601-1:2006 3.1rd Edition 2xMC (for GTM41078-WW05 only)
No Logo	CB Report IEC60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + 11:2009 + Am 12:2011 (for GTM41078-WW05 only)
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Ma on the label or Molded in the case
Conforms to ANSI/AAMI ES 60601-1:2005 Cert.to CAN/CSA Std. C22.2	cETLus ANSI_AAMI ES60601-1_2005 (for GTM41078-WW05 only)
Conforms to ANSI/UL Std. 60950-1 Cert.to CAN/CSA Std. C22.2 NO. 60950-1	Conforms to ANSI/UL Std. 60950-1 2nd Edition Cert. to CAN/CSA Std.C22.2 NO.60950-1 2nd Edition (for GTM41078-WW05 only)
 Intertek 4007497	cETLus-Cert-4007497 ANSI/AAMI ES60601-1:2005 with AMD C1: 2009, AMD C2: 2010 and CAN/CSA-C22.2 No. 60601-1 2008 with COR 2:2011(for GTM41078-WW05 only)
 Intertek 4007497	cETLus-Cert-60950-1 4007497 Listed (for GTM41078-WW05 only)
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20
	

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	Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan
No Logo	EC-Conformity Declaration: http://www.globtek.com/html/iso_certificates/EC-DECLARATION.p REACH 144 SVHC: http://www.globtek.com/html/iso_certificates/Reach144.pdf
No Logo	Greenhouse and Energy Minimum Standards (GEMS) for model GTM41078-0605-USB
	Indoor Use Only - Mark is on the label or Molded in the case
IP20	Ingress Protection: IP20 to IEC60529:2001 Protected against solids objects over 12mm and No Protection
 DC-E-G71-001.10	IRAM certificate DC-E-G71-001.10 to IEC 60950-1:2005 + A1:2009
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50471624, to J62368-1(H30) , J55032(H29),J3000(H25,[15V less]). Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
 직류전원장치 AC/DC ADAPTER KTC HU10499-15021A MSIP-REM-GSZ-M410780605USB 전기용품안전관리법에 의한 표시 최저소비효율기준 만족 제품 모델명:GTM41078-0605-USB Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center:10-6221-6100	HU10499-15021A GTM41078-0605-USB (5V only)
No Logo	Kuwait GTM41078-0605-USB IEC 60950-1:2005(2 ND EDITION) + Am 1:2009 + Am 2:2013
EFFICIENCY LEVEL 	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Condu (Europe)
LPS	Limited Power Source 60950
	NOM (Mexico) GTM41078-0605-USB

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	RCM certificate to SAA152289EA ; Australia and New Zealand Regulatory Compliance, Mark (http://rcm.standards.org.au/rcmfaq/rcmfaq.htm)
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS) (http://www.ce-mark.com/Rohs%20final.pdf)
إمدادات الطاقة	Saudi Arabia approval GTM41078-0605-USB IEC 60950-2005
	Serbia Approval - Conformity mark must be at least 5 mm high.
No Logo	12
	UKCA Certification
	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). Mark is on the label or Molded in the case