

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

Model:GTM41061-18VV-Q (IP54)

June 24, 2019

IEC 60601-1-11 & 60601-1-2 4th Edition, 60950-1, and UL1310 Compliant 18W Medical power supply (and Class 2 Power Unit) available in 5-30V outputs

Information

Model Number GTM41061-18VV-Q (IP54)

Description On 7/9/14, the FDA added the 4th edition of IEC 60601-1-2 to the list of standards that can be used to show EMC compliance for medical electrical devices and systems. The GTM41061 is certified compliant and additionally qualified as a Class 2 power Unit.

Model Picture



Agency

Documents <http://www.globtek.info/certs/GTM41061/>

CE

EC-Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000Bzxc7EAB

RoHS/RoHS2

Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000Bzxc7EAB

REACH

Declaration https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict

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

Declaration

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June 24, 2019

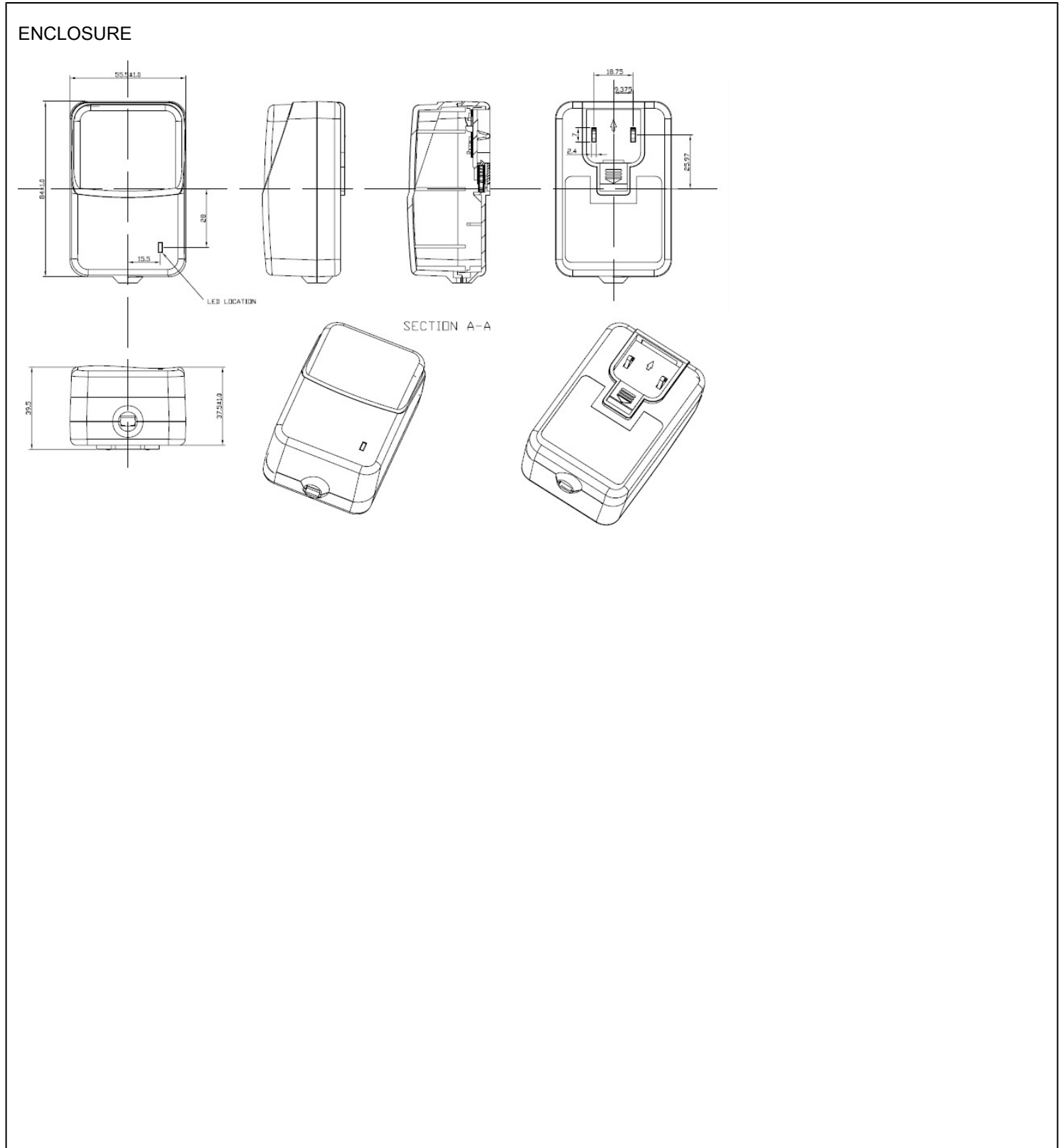
Model Parameters

Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6A
Wattage (W)	18.0
Vout Range (V)	5-30
Efficiency Level	V
Ingress Protection	IP54
Size (mm)	84*56*38

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June 24, 2019

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM41061-1512-7.05 V	3		15.00	RFQ
GTM41061-1012-7.05 V	2		10.00	RFQ
GTM41061-1812-7.05 V	3.6		18.00	RFQ
GTM41061-1512-6.06 V	2.5		15.00	RFQ
GTM41061-1512-3.09 V	1.66		14.94	RFQ
GTM41061-1812 12 V	1.5		18.00	RFQ
GTM41061-1818-3.015 V	1.2		18.00	RFQ
GTM41061-1818 18 V	1		18.00	RFQ
GTM41061-1824 24 V	0.75		18.00	RFQ
GTM41061-1830 30 V	0.6		18.00	RFQ

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June 24, 2019

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, 1mS typical recovery time for 25% step load
7. Turn-On Delay: 1 second typical
8. Hold-Up Time: 8mS typical @ nominal input voltage & full load
09. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
10. Switching Frequency: 66.5 KHz typical

B) PROTECTION

1. Over-Voltage: Protected via zener diode across the output
2. Short Circuit: Electronically Protected, unit will recover upon removal of fault
3. Input Protection: Input dual-fusing (for both line and neutral)

C) SAFETY

1. Dielectric Withstand Voltage: 5656 Vdc from primary to secondary
2. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
3. Means of Protection: 2 x MOPP (Means Of Patient Protection)
4. ESD: 8 kV Contact/15kV Air Discharge

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 93% relative humidity, passed 7 day humidity testing per IEC 60601-1
4. Storage Temperature: -10°C to 80°C

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 84.0* 56.0*37.9 mm +/-1.0
4. Green LED "ON" indicates output power "Available"

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June 24, 2019

DERATING CURVE

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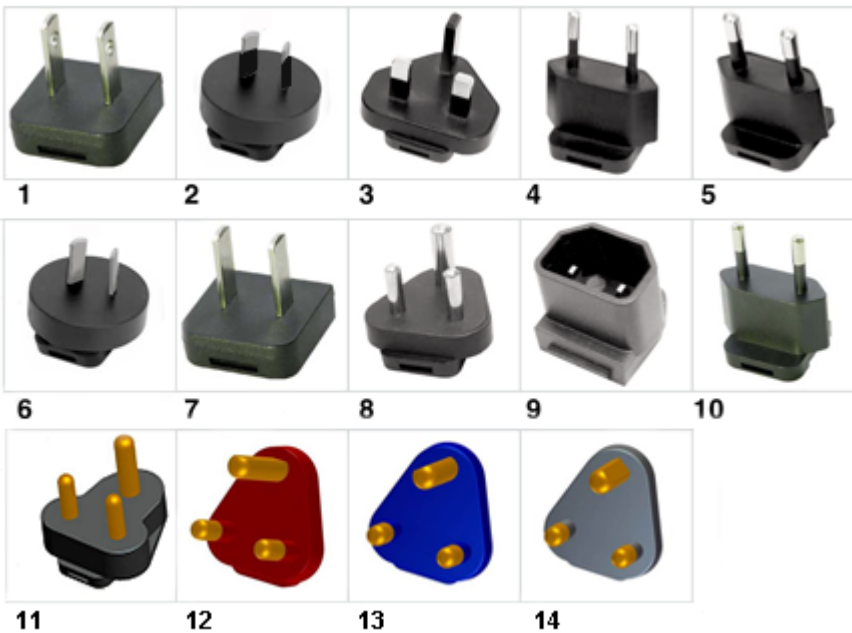
June 24, 2019

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)

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Model:GTM41061-18VV-Q (IP54)

June 24, 2019

13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M, P/N:
Q-SANS164-4C-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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June 24, 2019

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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June 24, 2019








Approvals

Logo	Description
	60601-1 3rd Operating Instructions
No Logo Applicable	CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60601-1:2006 3rd Edition 2xMOPP
No Logo Applicable	
No Logo Applicable	CB Report to IEC 60601-1-11 (First Edition): 2010 EN 60601-1-11:2010
No Logo Applicable	
	CCC GT-41132-6012 GB4943.1-2011 GB9254-2008 GB17625.1-2012
仅适用于在海拔2000m以下地区使用	
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mark is on the label or Molded in the case
Conforms to ANSI/AAMI ES 60601-1:2005	cETLus ANSI_AAMI ES60601-1_2005
Cert.to CAN/CSA Std. C22.2	
Conforms to ANSI/UL Std. 60950-1 2nd Edition	Conforms to ANSI/UL Std. 60950-1 2nd Edition
Cert.to CAN/CSA Std. C22.2 NO. 60950-1	Cert. to CAN/CSA Std.C22.2 NO.60950-1 2nd Edition
	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+ANSI/AAMI HA60601-1-11 Ed:1
	cETLus-Cert-60950-1 4007497 Listed
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php
	Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan
	Hong Kong Safety Mark License IEC60950-1:2005 + A1:2009
L00480 A -1	
	Indoor Use Only - Mark is on the label or Molded in the case
IP54	Ingress Protection: ?IP54 to IEC60529:2001 Protected against dust - limited ingress (no harmful deposit) and Protected against sprays from all directions - limited ingress permitted
EFFICIENCY LEVEL  115V	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)
LPS	Limited Power Source

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June 24, 2019

	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25).Please follow the procedure listed in the following link for proper import to Japan: http://en.globtek.com/importing-to-japan.php .
GlobTek, Inc.	
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
	Semko S-Mark-Cert-EN60601-1 3rd Edition (http://www.intertek.com/marks/s/)
	S-Mark-Cert to IEC 60601-1-11 (First Edition): 2010 EN 60601-1-11:2010 (http://www.intertek.com/marks/s/)
إمدادات الطاقة	Saudi Arabia approval to IEC 60950-2005
	Singapore 180247-12 GTM41061-1512-7.0
	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
10276	Keep Dry
	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