

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

Model:GTM41061-18VV-Q (IP54)

June 1, 2020

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/a0Oa000000Bzrk7EAB |
| RoHS/RoHS2 Declaration | https://www.globtek.com/pdf/rohs_cert/a0Oa000000Bzrk7EAB |
| 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

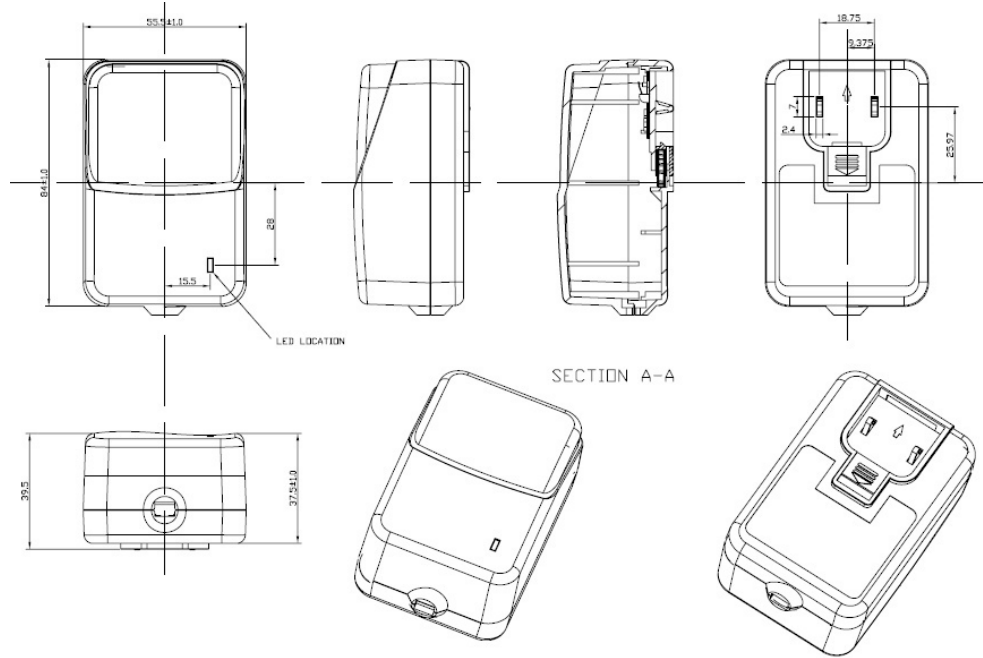
| | |
|--------------------|--|
| Type | Wall Plug-in |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | ITE / Medical Power Supply |
| Input Voltage | 100-240V~, 50-60 Hz |
| I/P Amps (A) | 0.6A |
| Wattage (W) | 18.0 |
| Vout Range (V) | 5-30 |
| Efficiency Level | V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

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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|-------------------|---------|---------|----------|---------------------|
| GTM41061-1512-7.0 | 5 V | 3 | 15.00 | RFQ |
| GTM41061-1012-7.0 | 5 V | 2 | 10.00 | RFQ |
| GTM41061-1812-7.0 | 5 V | 3.6 | 18.00 | RFQ |
| GTM41061-1512-6.0 | 6 V | 2.5 | 15.00 | RFQ |
| GTM41061-1512-3.0 | 9 V | 1.66 | 14.94 | RFQ |
| GTM41061-1812 | 12 V | 1.5 | 18.00 | RFQ |
| GTM41061-1818-3.0 | 15 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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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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DERATING CURVE

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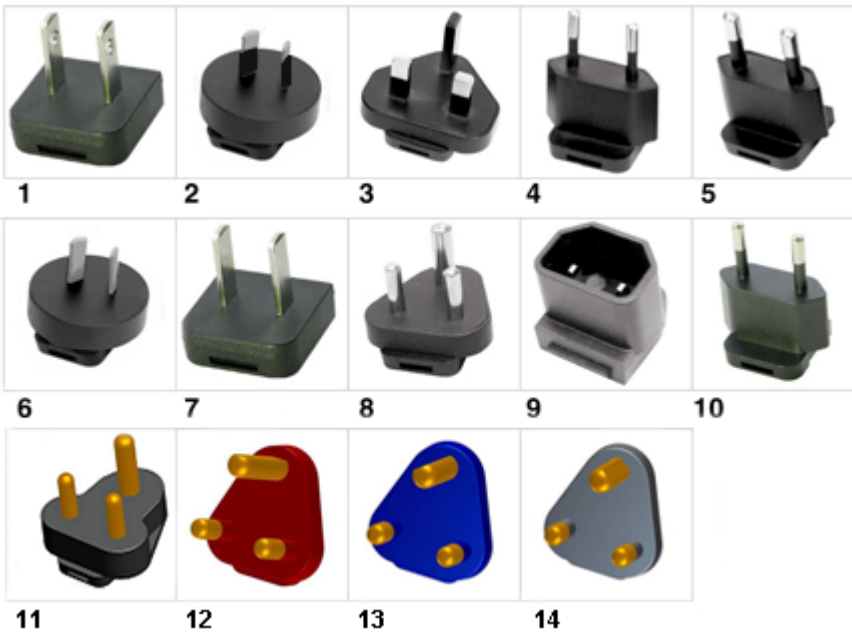
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INPUT CONFIGURATION

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/a0Oa000000BzXk7>

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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 |
|--|---|
|  | 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 |
|  仅适用于在海拔2000m以下地区使用 | CCC GT-41132-6012 GB4943.1-2011 GB9254-2008 GB17625.1-2012 |
|  | 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 Cert.to CAN/CSA Std. C22.2 | cETLus ANSI_AAMI ES60601-1_2005 |
| 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 |
|  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+ANSI/AAMI HA60601-1-11 Ed:1 |
|  Intertek 4007497 | cETLus-Cert-60950-1 4007497 Listed |
|  | CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php |

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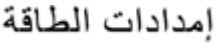





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|  | Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan |
|  L00480A -1 | Hong Kong Safety Mark License IEC60950-1:2005 + A1:2009 |
|  | Indoor Use Only - Mark is on the label or Molded in the case |
| IP54 | Ingress 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 60950 |
|  GlobTek, Inc. | 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 . |
| 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 |
|  Intertek | S-Mark Certificate EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011+A2:2013 (http://www.intertek.com/marks/s/) |
|  Intertek IEC/EN60601-1 | Semko S-Mark-Cert-EN60601-1 3rd Edition (http://www.intertek.com/marks/s/) |
|  Intertek IEC/EN60601-1 | S-Mark-Cert to IEC 60601-1-11 (First Edition): 2010 EN 60601-1-11:2010 (http://www.intertek.com/marks/s/) |
| | |

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|  | 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) |
|  | 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 |