

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

Model:GTM43033-Q

December 7, 2022

GTM43033-Q

Information

| | |
|-------------------------------|--|
| Model Number | GTM43033-Q |
| Description | GTM43033-Q, Medical Power Supply, 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) , 3.3-48V in 0.1V increments, Approvals: Double Insulation; WEEE; RoHS; CB 60601-1 2MOPP; CB EN/IEC 60335-1; cETLus ES60601; China RoHS; cETLus UL1310; S-Mark IEC/EN 60601-1; cETLus 60601-1 3rd; Book 60601; Fuse 60335; CE; IP42; |
| Model Picture |  |
| Agency Documents | http://www.globtek.info/certs/GTM43033/ |
| CE EC-Declaration | https://www.globtek.com/pdf/ec_declaration/a00a000000HShsKEAT |
| RoHS/RoHS2 Declaration | https://www.globtek.com/pdf/rohs_cert/a00a000000HShsKEAT |
| 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

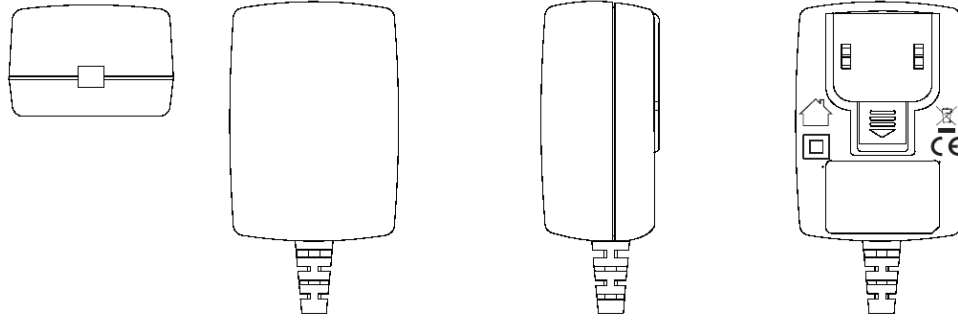
| | |
|--------------------|--|
| Type | Wall Plug-in |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | Medical Power Supply |
| Input Voltage | 100-240V~, 50-60 Hz |
| I/P Amps (A) | 0.3 A |
| Wattage (W) | 6.0 |
| Vout Range (V) | 3.3-48 |
| Efficiency Level | V |
| Ingress Protection | IP52 |
| Size (mm) | 74*44*34 |

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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|-------------------|---------|---------|----------|---------------------|
| GTM43033-0603 | 3 V | 2 | 6.00 | RFQ |
| GTM43033-0604 | 4 V | 1.5 | 6.00 | RFQ |
| GTM43033-0606 | 6 V | 1 | 6.00 | RFQ |
| GTM43033-0612-3.0 | 9 V | 0.67 | 6.03 | RFQ |
| GTM43033-0612 | 12 V | 0.5 | 6.00 | RFQ |
| GTM43033-0615 | 15 V | 0.4 | 6.00 | RFQ |
| GTM43033-0618 | 18 V | 0.33 | 5.94 | RFQ |
| GTM43033-0624 | 24 V | 0.25 | 6.00 | RFQ |
| GTM43033-0636 | 36 V | 0.17 | 6.12 | RFQ |
| GTM43033-0648 | 48 V | 0.125 | 6.00 | 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, 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

01. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
02. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
03. 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 90% relative humidity
4. Storage Temperature: -40°C to 80°C
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 +/-1.0mm

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DERATING CURVE

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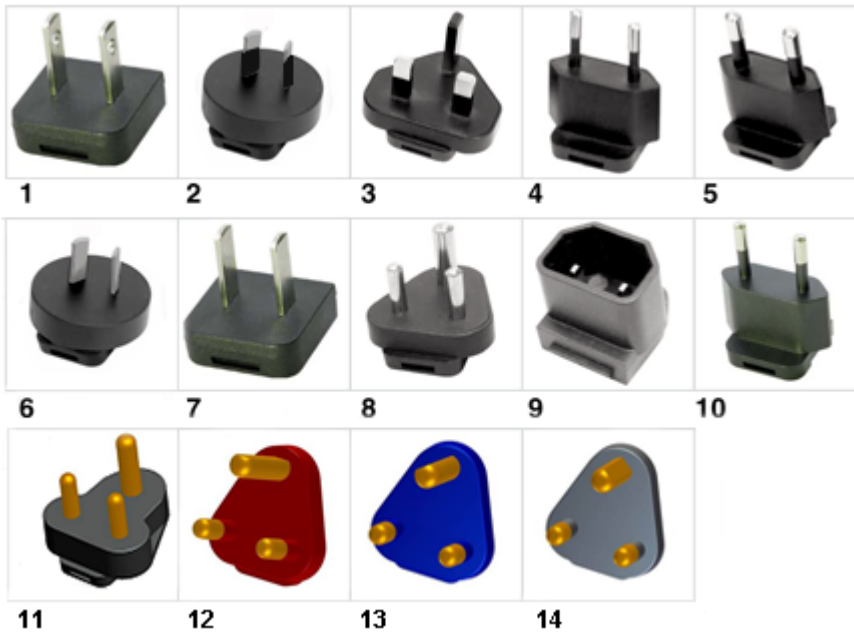
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INPUT CONFIGURATION

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 |
|---|---|
|  | Book 60335 up to 36 Volts |
|  | 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 | CB to 60335-1 5th Edition (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) CB Report/ Certificate IEC 60335-1:2010 Up to 36 volts only |
|  | 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 |
|  Class 2 Power Unit | cETLus-Cert 4007497 UL1310 Recognized Component up to 36 volts (6W max) |
|  | 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 |
|  | CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php |
|  | |
| | |

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| | |
|--|---|
|  | Indoor Use Only - Mark is on the label or Molded in the case |
| IP42 Optional | Ingress Protection: ?IP42 to IEC60529:2001 Protection against granular foreign bodies - Protected against direct sprays up to 15o from the vertical Optional |
| 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 3.1rd Edition (http://www.intertek.com/marks/s/) |
|  | UKCA Certification |
|  | 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 |