

Model:GTM961800PWWWVV.V-T3

May 20, 2024

## 180W AC DC Adapter, Desktop Power Supply, for ICT/ITE, Medical, and Household use, 3 Prong Input (C14)

### Information

|              |                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------|
| Model Number | GTM961800PWWWVV.V-T3                                                                                      |
| Description  | 180 W, DoE Level VI & CoC Tier 2 Efficiency, Three Prong (C14) Inlet, Desktop Adapter, Ac-Dc Power Supply |

### Model Picture



|                               |                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Documents              | <a href="http://www.globtek.info/certs/GTM961800P/">http://www.globtek.info/certs/GTM961800P/</a>                                         |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a000c00000Old6SEAR">https://www.globtek.com/pdf/ec_declaration/a000c00000Old6SEAR</a> |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a000c00000Old6SEAR">https://www.globtek.com/pdf/rohs_cert/a000c00000Old6SEAR</a>           |
| REACH Declaration             | <a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>               |
| Conflict Minerals Declaration | <a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>                         |

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Model:GTM961800PWWWVV.V-T3

May 20, 2024

**MODEL PARAMETERS**

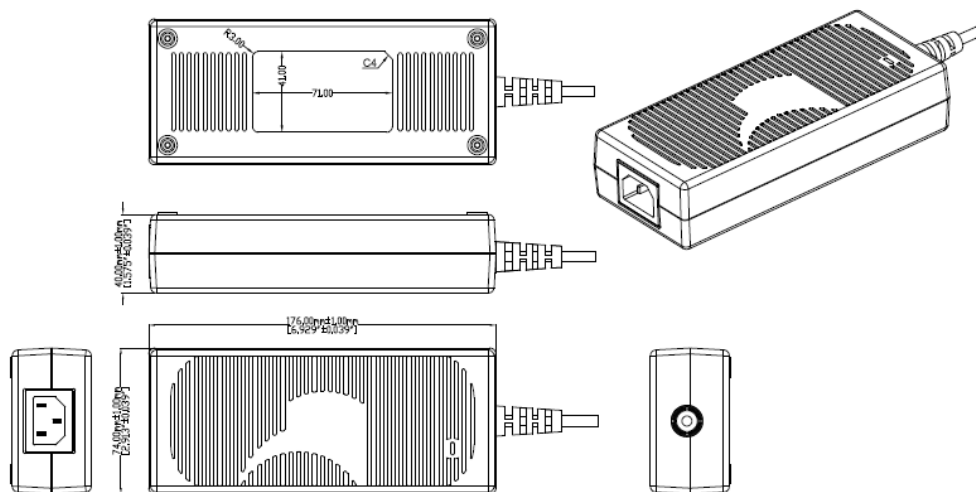
|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Type               | Desktop/External                                                    |
| Technology         | Regulated Switchmode AC-DC Power Supply AC Adaptor                  |
| Category           | Medical/ICT/ITE/Household use Power Supply                          |
| Input Voltage      | 100-240V~, 50-60Hz                                                  |
| I/P Amps (A)       | 2.2A                                                                |
| Wattage (W)        | 180.0                                                               |
| Vout Range (V)     | 12-54                                                               |
| Efficiency Level   | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | IP41                                                                |
| Size (mm)          | 176.5*74*40                                                         |

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Model: GTM961800PWWWVV.V-T3

May 20, 2024

## ENCLOSURE



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Model:GTM961800PWWWVV.V-T3

May 20, 2024

**RATING TABLE**

| Model Number          | Voltage | Amps(A) | Watts(W) | RFQ                 |
|-----------------------|---------|---------|----------|---------------------|
| GTM961800P10812-T3    | 12 V    | 9       | 108.00   | <a href="#">RFQ</a> |
| GTM961800P16012-T3-CF | 12 V    | 13.33   | 159.96   | <a href="#">RFQ</a> |
| GTM961800P12012-T3    | 12 V    | 10      | 120.00   | <a href="#">RFQ</a> |
| GTM961800P16012-T3    | 12 V    | 13.33   | 159.96   | <a href="#">RFQ</a> |
| GTM961800P16012-T3-CF | 12.0 V  | 13.33   | 159.96   | <a href="#">RFQ</a> |
| GTM961800P16013.5-T3  | 13.5 V  | 11.85   | 159.98   | <a href="#">RFQ</a> |
| GTM961800P17015-T3-CF | 15 V    | 11.33   | 169.95   | <a href="#">RFQ</a> |
| GTM961800P17015-T3    | 15 V    | 11.33   | 169.95   | <a href="#">RFQ</a> |
| GTM961800P17018-T3    | 18 V    | 9.44    | 169.92   | <a href="#">RFQ</a> |
| GTM961800P17018-T3-CF | 18 V    | 9.44    | 169.92   | <a href="#">RFQ</a> |
| GTM961800P18020-T3    | 20 V    | 9       | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18020-T3-CF | 20 V    | 9       | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18024-T3    | 24 V    | 7.5     | 180.00   | <a href="#">RFQ</a> |
| GTM961800P17024-T3    | 24 V    | 7.08    | 169.92   | <a href="#">RFQ</a> |
| GTM961800P18024-T3-CF | 24 V    | 7.5     | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18028-T3-CF | 28 V    | 6.42    | 179.76   | <a href="#">RFQ</a> |
| GTM961800P18028-T3    | 28 V    | 6.42    | 179.76   | <a href="#">RFQ</a> |
| GTM961800P18030-T3    | 30 V    | 6       | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18030-T3-CF | 30 V    | 6       | 180.00   | <a href="#">RFQ</a> |
| GTM961800P15030-T3    | 30 V    | 5       | 150.00   | <a href="#">RFQ</a> |
| GTM961800P18036-T3-CF | 36 V    | 5       | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18036-T3    | 36 V    | 5       | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18040-T3    | 40 V    | 4.5     | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18048-T3    | 48 V    | 3.75    | 180.00   | <a href="#">RFQ</a> |
| GTM961800P18048-T3-CF | 48 V    | 3.75    | 180.00   | <a href="#">RFQ</a> |

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May 20, 2024

|                       |      |       |        |                     |
|-----------------------|------|-------|--------|---------------------|
| GTM961800P18054-T3-CF | 54 V | 3.333 | 179.98 | <a href="#">RFQ</a> |
| GTM961800P18054-T3    | 54 V | 3.333 | 179.98 | <a href="#">RFQ</a> |

Model:GTM961800PWWWVV.V-T3

May 20, 2024

## SPECIFICATIONS

### Input

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Input Voltage:       | Specified: 90-264VAC, Nameplate: 100-240VAC<br>100% rated load current for 90-264VAC<br>90% rated load current for 85-264VAC |
| Input Frequency:     | Specified: 47-63Hz, Nameplate: 50-60Hz                                                                                       |
| Power Factor:        | 0.90 (min.) @ 230VAC, 0.97 (min.) @ 115VAC                                                                                   |
| No Load Input Power: | <150mW @ 230VAC (EU CoC Tier 2 compliant)                                                                                    |
| Inrush Current:      | 30A/60A max. (cold start @ 115V/230VAC)                                                                                      |
| Efficiency:          | DoE Level VI and EU CoC Tier 2 compliant                                                                                     |

### Output

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Turn-on Delay:       | 1 second typ. @ 115VAC and full load                                                                                             |
| Output Regulation:   | ± 4% (measured at output connector)                                                                                              |
| Line Regulation:     | ± 0.5% typ. (measured at output connector, full load)                                                                            |
| Ripple:              | 1% or 200mV, whichever is greater (using a 47µF low-ESR cap + 0.1µF ceramic capacitor, measured @ 20MHz BW, at output connector) |
| Turn-On Overshoot:   | 5% max.                                                                                                                          |
| Transient Response:  | 5% max. deviation, 1ms recovery time (with 25% to 50% load step)                                                                 |
| Hold-up Time:        | 20ms min.                                                                                                                        |
| Switching Frequency: | 25 - 125KHz, depending on model and load condition                                                                               |
| Power Indicator:     | Green LED                                                                                                                        |

### Protections

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Input Protection:         | MOV transient suppressor, dual input line fusing                               |
| Over-Current Protection:  | 105 - 140% of rated output current, auto-restart                               |
| Short-Circuit Protection: | Auto-restart                                                                   |
| Over-Voltage Protection:  | 110 - 135% (60V max. for output voltage ≥ 45V), latched off, cycle AC to reset |

### Environmental

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| MTBF:                  | 1,500,000 hours @ 25°C ambient, full load (Telcordia SR-332, Issue 3) |
| Operating Temperature: | -10°C to 40°C (full load)                                             |
| Storage Temperature:   | -30°C to 80°C                                                         |
| Humidity:              | 0% to 95% relative humidity, non-condensing                           |
| Altitude:              | 5000m                                                                 |
| Cooling:               | Convection                                                            |

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Model:GTM961800PWWWVV.V-T3

May 20, 2024

|         |                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS:   | Complies with EU 2011/65/EU and China SJ/T 11363-2006                                                                                                                                      |
| Note 1: | Regarding operating temperature<br>a. See below de-rating table for output power capability at alternate temperature<br>b. Extended low-end temperature range available as a custom option |

## Safety

|                               |                                                                                                                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric Withstand Voltage: | 4000VAC or 5656VDC from input to output<br>3000VAC or 4242VDC from input to earth (Class I models only)                                                                                                                                                                |
| Touch Current:                | Standard models (No suffix):<br>Class I: 20μA max.<br>Class II: 70μA max.<br>Class II with Functional Earth (F2): 20μA max.                                                                                                                                            |
| Note 2:                       | Low-leakage models (-CF suffix):<br>Class II with Functional Earth (F2): 10μA max.<br>Standard models are designed for use in Type-B/BF medical applications. Low-leakage models are designed for use in Type-CF medical applications. (See IEC60601-1, Clause 16.6.1) |
| Earth Leakage Current         | Class I: 300μA max.<br>Class II: N/A                                                                                                                                                                                                                                   |
| Means of Protection:          | 2 x MOPP                                                                                                                                                                                                                                                               |
| Output Isolation Options:     | Class I: C6 or C14 inlet (output negative tied to Earth contact)<br>Class II: C8 or C18 inlet<br>Class II FE: C6 or C14 inlet (output isolated from Earth contact)<br>Review isolation options by reading our white paper <a href="#">PSU Isolation and Identity</a> . |
| Earth Continuity Test:        | < 0.1Ω between earth pin (on AC inlet) and PCB termination point (Class I models only)                                                                                                                                                                                 |
| Compliant Standards:          | See listing at end of this datasheet for specific standards                                                                                                                                                                                                            |

## EMC

|                                          |                                                                                                                                                    |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicable Standards:                    | Medical: EN60601-1-2, 4th edition<br>Emissions: EN55032, EN61000-6-3, EN61000-6-4, CISPR11, CISPR22<br>Immunity: EN55024, EN61000-6-1, EN61000-6-2 |
| Conducted Emissions:                     | Class B, FCC Part 15, Class B (with resistive load)                                                                                                |
| Radiated Emissions:                      | Class B, FCC Part 15, Class B (with resistive load)                                                                                                |
| Harmonic Current Voltage Distortion:     | EN61000-3-2, Class A                                                                                                                               |
| Voltage Fluctuations/Flicker:            | EN61000-3-3                                                                                                                                        |
| Electrostatic Discharge (ESD) Immunity:  | EN61000-4-2, 10KV contact discharge, 18KV air discharge                                                                                            |
| Radiated RF Immunity:                    | EN61000-4-3, 10V/m 80-2700MHz, 80% 1KHz AM                                                                                                         |
| EFT/Burst Immunity:                      | EN61000-4-4, 4KV/100kHz.                                                                                                                           |
| Line Surge Immunity:                     | EN61000-4-5, 2KV differential, 4KV common-mode                                                                                                     |
| Conducted RF Immunity:                   | EN61000-4-6, 3VRMS, 80% 1KHz AM                                                                                                                    |
| Power Frequency Magnetic Field Immunity: | EN61000-4-8, 3A/m                                                                                                                                  |

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Model:GTM961800PWWVV.V-T3

May 20, 2024

Voltage Dip Immunity: EN61000-4-11

## Enclosure

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| Material/Construction:       | High impact plastic, 94V0 polycarbonate, non-vented    |
| Size:                        | 176.5 * 74.0 * 40.0mm (±1.0mm)                         |
| AC Input Mechanical Options: | Desktop: C6, C7, C14, or C18 inlet                     |
| Markings:                    | Label and/or pad printed and/or laser-etched into case |

## Special Options

1. Custom cordsets, cord types, and connector types
2. Custom markings
3. Custom housing and cordset colors
4. Constant current/constant voltage (CC/CV) output behavior, with compliance voltage between (75% \* Vout) and (100% \* Vout)
5. Short term output surge power capability, for motor applications and short term intermittent high power applications. (Up to 300W for 1 second.)
6. IEC61000-3-2 Class C line harmonics for LED lighting applications
7. "Back EMF" upgrade, for motor loads and other high inductance applications with reverse energy flow requirements
8. Reduced touch/leakage current for IEC60601-1 Type-CF applications. (Available in models with -CF suffix.)
9. High reliability PCB laminate with plated through-holes for IPC610 Class 2 compliance
10. Tightened output voltage tolerance
11. Reduced output ripple level
12. Reduced output power rating
13. Improved ingress protection (IP) rating

## Output Connectors

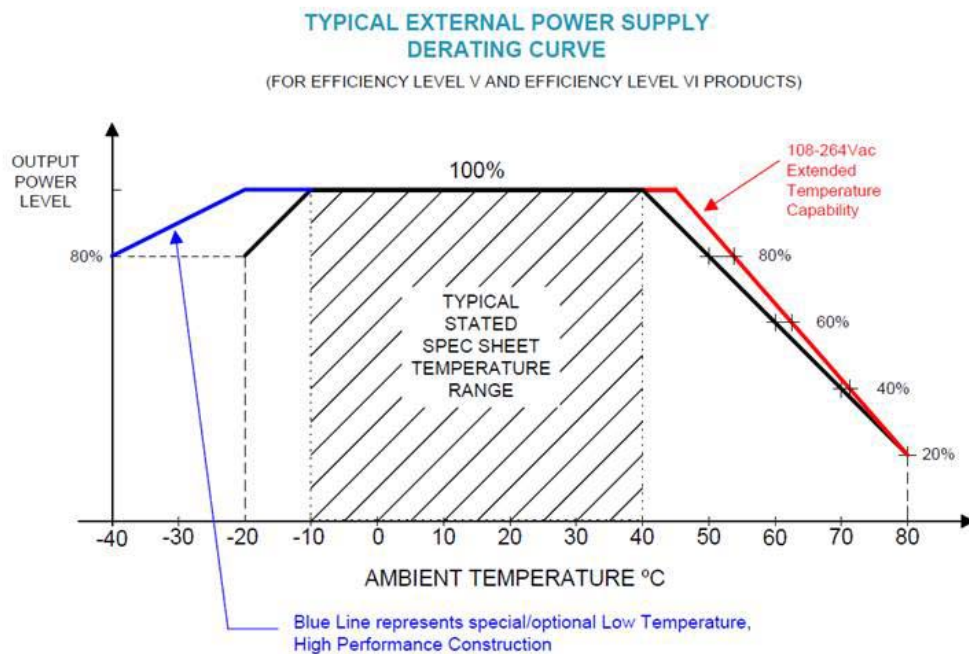
- Several output connector options are available with various output current ratings. GlobTek can supply 10A rated 2.1mm and 2.5mm style DC Power Jacks, to complement our 10A output rated 2.1mm and 2.5mm DC power plugs used on our output cordsets.
- Please visit our real-time listing of mating connector product offering:  
<https://en.globtek.com/news/high-current-coaxial-barrel-plug-jacks-for-high-wattage-power-supplies>

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Model:GTM961800PWWWVV.V-T3

May 20, 2024

## DERATING CURVE



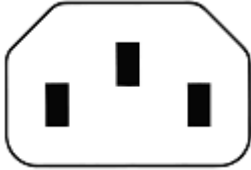
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May 20, 2024

## INPUT CONFIGURATION

Description IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle and cord option available on some models by request.:



### [Standard International IEC 320/C13 Cordsets](#)

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or packaged with the power supply. Contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

## Stock Power Supply Cords

| Part Number/ Link                 | Country              | Plug                    | Termination | Length (mm) | (Ft) |
|-----------------------------------|----------------------|-------------------------|-------------|-------------|------|
| <a href="#">3021457F701(R)</a>    | N. American (Type B) | NEMA 5-15P              | IEC 320/C13 | 2150        | 7    |
| <a href="#">1191068F0701(R)</a>   | N. American (Type B) | NEMA 5-15P Hospital     | IEC 320/C13 | 2459        | 8    |
| <a href="#">2194272M5701-T(R)</a> | Argentina (Type I)   | IRAM 2073               | IEC 320/C13 | 2500        | 8    |
| <a href="#">5502022M5701A(R)</a>  | Australian (Type I)  | AS3112 / 3 PRONG        | IEC 320/C13 | 2500        | 8    |
| <a href="#">204B4272M5701(R)</a>  | Brazil (Type N)      | BRAZIL                  | IEC 320/C13 | 2500        | 8    |
| <a href="#">6023602M5701(R)</a>   | China (Type I)       | CCC GR2099              | IEC 320/C13 | 2500        | 8    |
| <a href="#">G8014272M5701(R)</a>  | Danish (Type K)      | AFSNIT SECTION 107-2-D1 | IEC 320/C13 | 2500        | 8    |
|                                   |                      |                         | IEC         |             |      |

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May 20, 2024

|                                       |                                                |                                                                                               |             |      |   |
|---------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|------|---|
| <a href="#">23144272M5701-T(R)</a>    | Europe (Type E)                                | CEE 7/7                                                                                       | 320/C13     | 2500 | 8 |
| <a href="#">23134272M5701EUKR(R)</a>  | Europe/Korea Combo (Type E)                    | CEE 7/7 / KSC8305                                                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">205IN4272M5701(R)</a>     | India (Type D)                                 | India IS 1293 (also known as IA16A3 or BS546)                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">208IN4272M5701(R)</a>     | India (Type M)                                 | India IS 1293 (also known as IA16A3 or BS546)                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">377C4272M5701(R)</a>      | Israel (Type H)                                | ISL 377C                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">23024272M5701(R)</a>      | Italy (Type L)                                 | CEI 23-16/VII                                                                                 | IEC 320/C13 | 2500 | 8 |
| 3003339F701(R)<br>[3x1.25mm2]         | Japan (Type B)                                 | JIS 8303 / 3 PINS                                                                             | IEC 320/C13 | 2500 | 8 |
| 3003068F2701-HK(R)<br>[3 x 2.0mm2]    |                                                |                                                                                               |             |      |   |
| <a href="#">302J115J6F0701J(R)</a>    | North America / Japan (Type B – 12A)           | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)                                  | IEC 320/C13 | 1830 | 6 |
| <a href="#">302J104J6F0701J(R)</a>    | North America / Japan (Type B – 15A)           | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)                                  | IEC 320/C13 | 1830 | 6 |
| <a href="#">302JT104J9F0701JT(R)</a>  | North America / Japan / Taiwan (Type B – 15A)  | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved) | IEC 320/C13 | 2800 | 9 |
| <a href="#">2313K3432M5701(R)</a>     | Korea (Type F)                                 | KS C 8305                                                                                     | IEC 320/C13 | 2500 | 8 |
| <a href="#">5804272M5701(R)</a>       | Russia (Type F)                                | GOST 7396                                                                                     | IEC 320/C13 | 2500 | 8 |
| <a href="#">2084272M5701(R)</a>       | South Africa (Type M)                          | South Africa SABS164-1 (16A type)                                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">23214272M5701(R)</a>      | Switzerland (Type J)                           | SEV 1011                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">3003322M5701(R)</a>       | Taiwan (Type B)                                | BSMI                                                                                          | IEC 320/C13 | 2500 | 8 |
| <a href="#">6363762M5701(R)</a>       | Thailand (Type O)                              | TIS 166-2549                                                                                  | IEC 320/C13 | 2500 | 8 |
| <a href="#">PZ0800100-2M5BK13H(R)</a> | UK, Hong Kong, Singapore, Gulf States (Type G) | BS 1363A                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">7055002M5701A(R)</a>      | International                                  | IEC 320 C14-C13                                                                               | IEC 320/C13 | 2500 | 8 |

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Model:GTM961800PWWWVV.V-T3

May 20, 2024

## 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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May 20, 2024

## Approvals

| Logo                                                                                | Description                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Taiwan BSMI GTM961200P-T3(A) R37924 GTM961800P<br>(does not apply to -CF models)<br><a href="http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816">http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816</a> |
| No Logo Applicable                                                                  | IEC 60601-1-11:2015                                                                                                                                                                                                   |
| No Logo Applicable                                                                  | IEC 60601-1: 2005 + C1 + C2 + A1                                                                                                                                                                                      |
| No Logo Applicable                                                                  | CB for 60335-1:2010/COR1:2010/COR2:2010<br>/AMD1:2013/COR1:2014/AMD2:2016/COR1:2016                                                                                                                                   |
| No Logo Applicable                                                                  | IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013                                                                                                                                                             |
| No Logo Applicable                                                                  | CB for IEC 62368-1:2014 (Second Edition)                                                                                                                                                                              |
|  | CCC Altitude up to 5000 m<br>GB17625.1-2012, GB4943.1-2011, GB/T9254-2008                                                                                                                                             |
|  | CE Certification                                                                                                                                                                                                      |
|  | Audio/Video, Information And Communication Technology<br>[UL<br>62368-1:2014 Ed.2]<br>Audio/Video, Information And Communication Technology<br>[CSA<br>C22.2#62368-1:2014 Ed.2]                                       |
|                                                                                     |                                                                                                                                                                                                                       |

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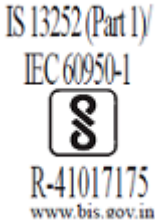
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|                                                                                            |                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | cETLus-Cert-4007497 ANSI/AAMI ES60601-1:2005 with A<br>CAN/CSA-C22.2 No. 60601-1 2008 with COR 2:2011+AN                                                                              |
|           | cETLus-Cert-60950-1 4007497 Listed                                                                                                                                                    |
|           | CHINA SJ/T 11364-2014, China RoHS Chart:<br><a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China</a>                 |
| Conforms to AAMI STD.ES60601-1,IEC 60601-1-11<br>Certified to CAN/CSA STD.C22.2 NO.60601-1 | Conforms to AAMI STD.ES60601-1,IEC 60601-1-11<br>Certified to CAN/CSA STD.C22.2 NO.60601-1                                                                                            |
| Conforms to UL STD. 60950-1<br>Certified to CSA STD C22.2 NO.60950-1                       | Conforms to UL STD. 60950-1<br>Certified to CSA STD C22.2 NO.60950-1                                                                                                                  |
| Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2 NO.62368-1                       | Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2 NO.62368-1                                                                                                                  |
|         | Declaration ДС № EAЭC N RU Д-US.KA01.B.10453_19 C<br>Kazakhstan <a href="http://www.globtek.com/redirect/?loc=gost-cer">http://www.globtek.com/redirect/?loc=gost-cer</a>             |
| No Logo                                                                                    | Greenhouse and Energy Minimum Standards (GEMS) for<br>GTM961600P16012-T3(A)                                                                                                           |
| No Logo                                                                                    | Greenhouse and Energy Minimum Standards (GEMS) for                                                                                                                                    |
|         | Compliance of this power supply with FCC Part 15, Class I<br>output load. The FCC law stipulates that system-level testi<br>with the FCC emission limits with the actual system load. |
|         | Hong Kong Safety Mark License IEC62368-1:2018                                                                                                                                         |
|                                                                                            |                                                                                                                                                                                       |

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May 20, 2024

|                                                                                                                                                                             |                                                                                                                                                                                                           |
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|                                                                                            | INDIA BIS (GTM961800P-T3) 12,13.5,15,18,19,24,30,36,4                                                                                                                                                     |
|                                                                                            | Indoor Use Only - Mark is on the label or Molded in the cas                                                                                                                                               |
| IP41                                                                                                                                                                        | Ingress Protection: ?IP41 to IEC60529:2001 Protection ag<br>granular foreign bodies - Protected against vertically falling                                                                                |
| <br><b>DC-E-G71-007.1</b><br><b>PRECAUCION: PARA USO EN EQUIPOS ELECTRONICOS SOLAMENTE</b> | IRAM certificate DC-E-G71-007.1 to IEC 62368-1:2014                                                                                                                                                       |
| <br>GlobTek, Inc.                                                                        | JAPAN TUV R-PSE, Cert. No. JD 50469658, to J62368-1(<br>less]. Please reference the following website for guidelines<br><a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a> |
|                                                                                          | Korea for GTM961800P16012-T3(A) (12-13.5V)                                                                                                                                                                |
|                                                                                                                                                                             |                                                                                                                                                                                                           |

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Model:GTM961800PWWWVV.V-T3

May 20, 2024

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="129 315 609 556">  <p>직류전원장치 AC/DC ADAPTER<br/>KTC HU10499-21049A<br/>R-R-GSZ-0012<br/>전기용품안전관리법에 의한 표시<br/>모델명:GTM961800P18024-T3</p> <p>Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD<br/>A/S Center:10-6221-6100</p> </div> | <p>Korea KET KC Mark GTM961800P18024-T3 HU10499-21</p>                                                                                                                          |
| <p>EFFICIENCY LEVEL </p>                                                                                                                                                                                                             | <p>Efficiency: complies to section 301 of Energy Independence and Security Act of 2005<br/>Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Europe)</p>     |
|                                                                                                                                                                                                                                      | <p>Morocco SDoC declaration<br/><a href="http://www.globtek.info/certs/Morocco%20SDoC%20Declaration.pdf">http://www.globtek.info/certs/Morocco%20SDoC%20Declaration.pdf</a></p> |
|                                                                                                                                                                                                                                    | <p>NOM MEXICO NYCE for GTM961800P16012-T3 (12V only)</p>                                                                                                                        |
| <br>SAA-200456-EA                                                                                                                                                                                                                  | <p>RCM certificate SAA-200456-EA; Australia and New Zealand<br/><a href="http://rcmstandards.org.au/rcmfaq/rcmfaq.htm">http://rcmstandards.org.au/rcmfaq/rcmfaq.htm</a></p>     |
| <p>RoHS</p>                                                                                                                                                                                                                                                                                                           | <p>Specifications of directive 2011/65/EU Annex VI (ROHS-2)<br/><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a></p>               |
|                                                                                                                                                                                                                                    | <p>EN 60601-1:2006 + A1:2013 + A12:2014<br/>EN 60601-1-11:2015</p>                                                                                                              |
|                                                                                                                                                                                                                                    | <p>S-Mark Certificate EN 60950-1:2006 + A11:2009 + A1:2010<br/><a href="http://www.intertek.com/marks/s/">http://www.intertek.com/marks/s/</a></p>                              |
|                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                 |

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<https://www.globtek.com/ds/FPqwm5LTzun/QZKpD7KaFKB.html>

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Model:GTM961800PWWWVV.V-T3

May 20, 2024

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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| إمدادات الطاقة                                                                     | Saudi Arabia approval for GTM961800P16012-T3 and GT 60950-2005                                                                            |
|   | Singapore to IEC 62368 (for 12V only)                                                                                                     |
|   | UKCA Certification                                                                                                                        |
|   | Ukraine UKRSePro (Document: <a href="http://www.globtek.com/html/iso">www.globtek.com/html/iso</a> )                                      |
|   | Japan: Voluntary Control Council for Interference (VCCI)                                                                                  |
|  | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu">http://ec.europa.eu</a> )<br>Mark is on the label or Molded in the case |