

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

Model:GT-83084-WWVV-USB-W2IN

April 28, 2024

## 10W Wall plug in Adapter for India, BIS 62368-1 Certified, India Input plug, 2 Prong

### Information

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                  | GT-83084-WWVV-USB-W2IN                                                                                                                                                                                                                                                                                                                                                                                                |
| Description                   | GT-83084-WWVV-USB-W2IN, ICT/ITE Power Supply, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, , Input Rating: 100-240V- , 50/60Hz, IS 1293 India, 2 Blade Ground Class II, Output Rating: 10 Watts, Power rating with convection cooling (W) , 5-5.2V in 0.1V increments, Approvals: RoHS; CE; China RoHS; Double Insulation; EAC; Level VI; WEEE; SIQ; CB 60950; India; CB 62368; LPS 62368; |
| Model Picture                 |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Agency Documents              | <a href="http://www.globtek.info/certs/GT-83084-USB-W2Z/">http://www.globtek.info/certs/GT-83084-USB-W2Z/</a>                                                                                                                                                                                                                                                                                                         |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0O3a00000LtuiNEAR">https://www.globtek.com/pdf/ec_declaration/a0O3a00000LtuiNEAR</a>                                                                                                                                                                                                                                                                             |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0O3a00000LtuiNEAR">https://www.globtek.com/pdf/rohs_cert/a0O3a00000LtuiNEAR</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 PARAMETERS**

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Type               | Wall Plug-in                                                        |
| Technology         | AC/DC Switching Adapter with USB Power Supply AC Adaptor            |
| Category           | ICT/ITE Power Supply                                                |
| Input Voltage      | 100-240V~, 50/60Hz                                                  |
| I/P Amps (A)       | 0.3A                                                                |
| Wattage (W)        | 10.0                                                                |
| Vout Range (V)     | 5-5.2                                                               |
| Efficiency Level   | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection |                                                                     |
| Size (mm)          | 72.1*23.8*42.20 +/-0.3                                              |

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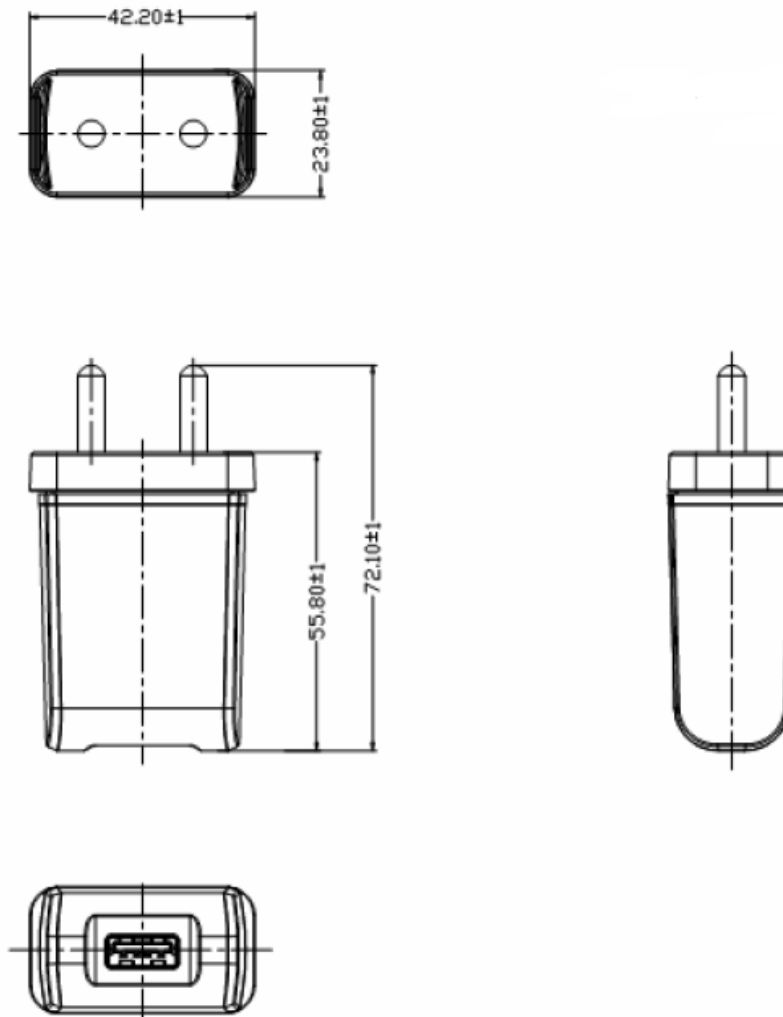
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## ENCLOSURE



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## RATING TABLE

| Model Number               | Voltage | Amps(A) | Watts(W) | RFQ                 |
|----------------------------|---------|---------|----------|---------------------|
| GT-83084-1006-1.0-USB-W2IN | 5 V     | 2       | 10.00    | <a href="#">RFQ</a> |
| GT-83084-0806-0.8-USB-W2IN | 5.2 V   | 1.5     | 7.80     | <a href="#">RFQ</a> |

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## SPECIFICATIONS

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
04. Line Voltage Regulation: +/- 1% typical measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
05. Output Ripple (Vp-p): +/-1% or 100 mV whichever is greater measured at the end of a 0.6 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.
06. Hold-up Time: 5 mS minimum
07. Inrush Current: at full load, 25°C, cold start
08. Efficiency: 79% minimum, Meet standard for energy star level: VI, ERP :2009/125/EC

### B) PROTECTION

01. Over-current protection: 4A maximum with auto-recovery function
02. Over-voltage protection: 10VDC maximum with zener clamp
03. Short-circuit protection:The adapter shall not be damaged by short the DC output to Ground.

### C) SAFETY

01. Dielectric Withstand Voltage: Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute
02. Leakage Current: 25mA maximum, at nominal AC input voltage and frequency
03. ESD Immunity per EN61000-4-2, ±8 kV contact, ±15 kV air, Perf Criteria A Standard.

### D) EMC

01. Emissions, per EN 55032, EN 61000-6-3, EN 61000-6-4
  - Conducted Emissions: Class B, FCC Part 15, Class B
  - Radiated Emissions: Class B, FCC Part 15, Class B
02. Line Frequency Harmonics EN61000-3-2, Class A
03. Voltage Fluctuations/Flicker EN61000-3-3
04. Immunity, per EN 55024, EN 61000-6-1, EN 61000-6-2
  - Static Discharge Immunity EN61000-4-2, 4kV Contact Discharge, 8kV air discharge
  - Radiated RF Immunity EN61000-4-3, 3V/m 80-1000MHz, 80% 1KHz AM.
  - EFT/Burst Immunity EN61000-4-4, 1kV/100kHz.
  - Line Surge Immunity EN61000-4-5, 1kV differential, 2kV common-mode
  - Conducted RF Immunity EN61000-4-6, 3Vrms, 80% 1KHz AM
  - Power Frequency Magnetic Field Immunity EN61000-4-8, 1A/m
  - Voltage Dip Immunity EN61000-4-11, Criteria

### E) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: -10°C to 50°C ambient temperature
03. Operating Humidity: 20 ~ 85 % RH. non-condensing
05. Storage Temperature: -20°C to 60°C
06. Storage Humidity:5 ~ 95 % RH. non-condensing
07. Cooling: Cooling shall be with natural convection cooling
08. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11364-2014

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F) ENCLOSURE

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

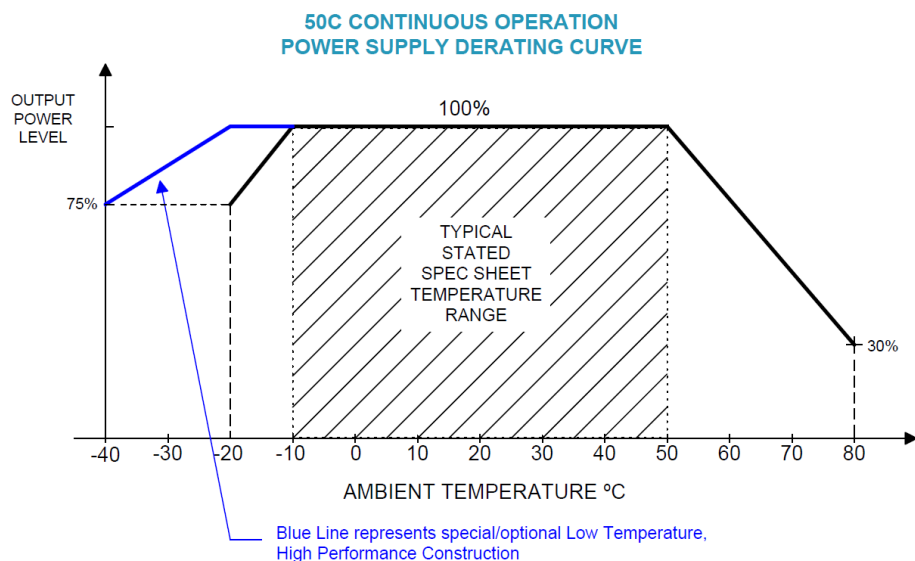
02. Markings: Label and/or Pad Printed and/or Molded in the case

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## DERATING CURVE



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**INPUT CONFIGURATION**

| Description | IS 1293 India, 2 Blade Ground Class II |
|-------------|----------------------------------------|
|-------------|----------------------------------------|

- Class II plugs are rated at 2.5 and 6 amps

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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](#)

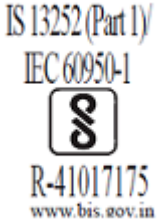
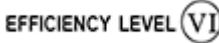
Contact GlobTek for your specific requirements or custom solutions.

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## Approvals

| Logo                                                                                | Description                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Logo Applicable                                                                  | CB report 60950-1 2nd Ed                                                                                                                                                                                                                                 |
| No Logo Applicable                                                                  | CB for IEC 62368-1:2014 (Second Edition) + A11:2017                                                                                                                                                                                                      |
|    | CE Certification                                                                                                                                                                                                                                         |
|    | CHINA SJ/T 11364-2014, China RoHS Chart:<br><a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf</a>              |
|  |                                                                                                                                                                                                                                                          |
|  | Declaration ДС № EAЭC N RU Д-US.KA01.B.10453_19 Custom Union of Russia, Belarus and Kazakhstan <a href="http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration">http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration</a> |
|  | Bureau Of Indian Standards for GT-83084                                                                                                                                                                                                                  |
|  | Indoor Use Only - Mark is on the label or Molded in the case                                                                                                                                                                                             |
|  | 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)                                               |

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|                                                                                                    |                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LPS                                                                                                | Limited Power Source 62368                                                                                                                                                                                        |
| RoHS                                                                                               | Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3)<br><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>                     |
| <br>IEC/EN60950-1 | SIQ Mark License EN60950-1                                                                                                                                                                                        |
|                   | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/weee/index_en.htm">http://ec.europa.eu/environment/waste/weee/index_en.htm</a> )<br>Mark is on the label or Molded in the case |