

Model:GT-83083-0505-USB-W2U

May 10, 2025

Level VI Power Supply / Charger, 5v, 1.0A, for England and United Kingdom with integral USB Jack

Information

| | |
|--------------|--|
| Model Number | GT-83083-0505-USB-W2U |
| Description | GT-83083-0505-USB-W2U, ICT/ITE Power Supply, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60Hz, UK BS 1363 configuration: UK 2 Blades Class I, Output Rating: 5 Watts, Power rating with convection cooling (W) , 5V in 0.1V increments, Approvals: UKCA; LPS 62368; UKCA; China RoHS; Double Insulation; Level VI; RoHS; CE; WEEE; CB 60950; LPS 60950; SIQ; |

Model Picture



| | |
|-------------------------------|---|
| Agency Documents | http://www.globtek.info/certs/GT-83083-USB-W2Z/ |
| CE EC-Declaration | https://www.globtek.com/pdf/ec_declaration/a00a000000MEmxJEAT |
| RoHS/RoHS2 Declaration | https://www.globtek.com/pdf/rohs_cert/a00a000000MEmxJEAT |
| 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 | 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) | 0.2A |
| Wattage (W) | 5.0 |
| Vout Range (V) | 5 |
| Efficiency Level | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | |
| Size (mm) | 49.2*47.0*27.5 +/-0.3 |

PROPRIETARY INFORMATION

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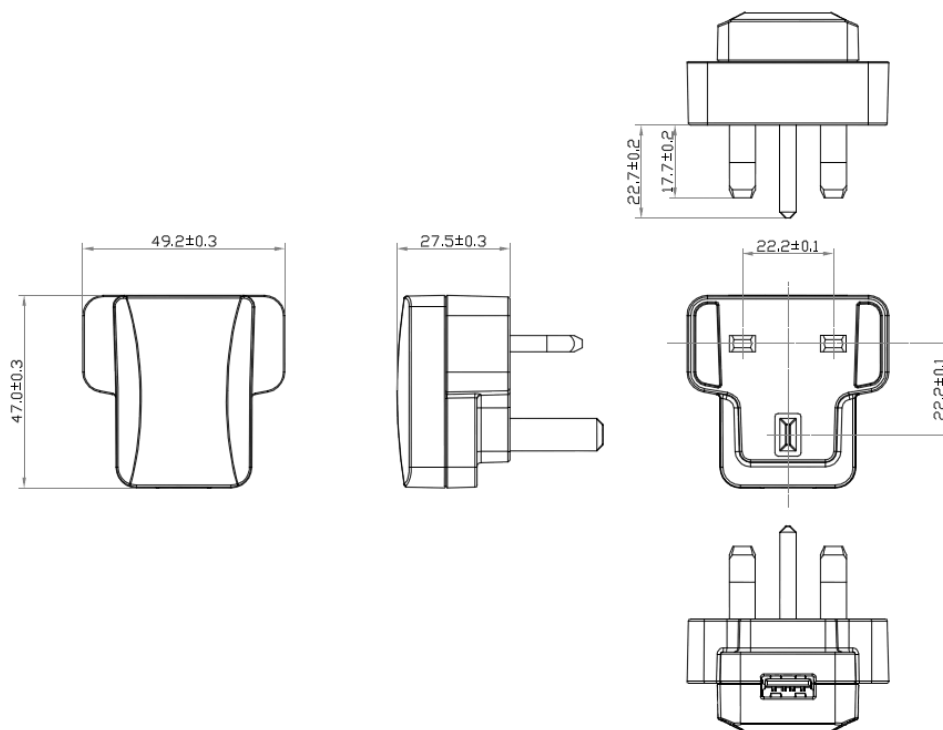
<https://www.globtek.com/ds/73FWbeomFz/KeiEsR2zm5m.html#datasheet>

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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|-----------------------|---------|---------|----------|---------------------|
| GT-83083-0505-USB-W2U | 5 V | 1 | 5.00 | RFQ |

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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 output connector measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
04. Line Voltage Regulation: +/- 1% typical measured at the output connector 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. Inrush Current: at full load, 25°C, cold start
07. Switching Frequency: 100 KHz typical, varies with line and load
08. Efficiency: 73.77% minimum at nominal input voltage average, Efficiency meet CEC V, ERP : 2009/125/EC

B) PROTECTION

01. Over-current protection: 1.5A 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: 20uA 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) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°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

E) 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 | UK BS 1363 configuration: UK 2 Blades Class I |
|-------------|---|
|-------------|---|

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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 |
|--|---|
|  | Attention Mark / Refer to operating manual for operating and service instructions |
| No Logo Applicable | CB report 60950-1 2nd Ed |
|  | CE Certification |
|  | CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf |
|  | |
|  | Indoor Use Only - Mark is on the label or Molded in the case |
| EFFICIENCY LEVEL  | 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 |
| LPS | Limited Power Source 62368 |
| 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 |
|  IEC/EN60950-1 | SIQ Mark License EN60950-1 |
|  | UKCA Certification |

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| | |
|---|---|
|  | 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 |