

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

Model:GT-83083-0505-USB-W2E

May 20, 2019

Level VI Power Supply / Charger, 5v, 1.0A, for Europe with integral USB Jack

Information

Model Number GT-83083-0505-USB-W2E

Description GT-83083-0505-USB-W2E, ITE Power Supply, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, , Input Rating: 100-240V- , 50/60Hz, European CEE 7/16 configuration: Europlug 2 PIN, Output Rating: 5 Watts, Power rating with convection cooling (W) , 5V in 0.1V increments, Approvals: PSE; CE; Double Insulation; GOST-R; Level VI; RoHS; Ukraine; WEEE; SIQ; CB 60950;

Model Picture



Agency Documents <http://www.globtek.info/certs/GT-83083-USB-W2Z/>

CE Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000MEmx4EAD

RoHS/RoHS2 Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000MEmx4EAD

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

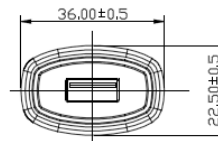
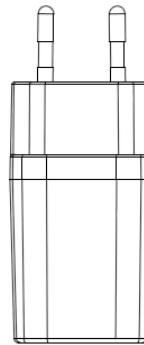
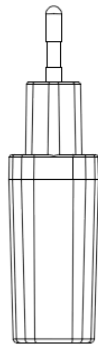
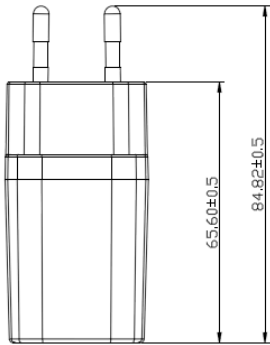
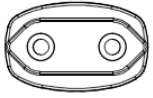
Type	Wall Plug-in
Technology	AC/DC Switching Adapter with USB Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50/60Hz
I/P Amps (A)	0.2A
Wattage (W)	5.0
Vout Range (V)	5
Efficiency Level	VI
Ingress Protection	
Size (mm)	65.60*36.0*22.5 +/-0.5

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-83083-0505-USB-W2E	5 V	1	5.00	RFQ
GT-83083-0506-USB-W2E	6 V	0.83	4.98	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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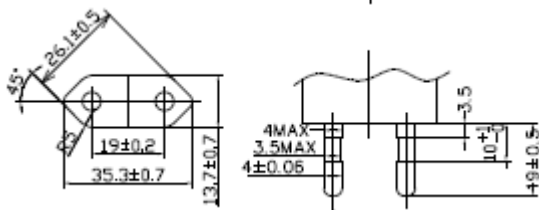
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Input Configuration

Description European CEE 7/16 configuration: Europlug 2 PIN

The prongs of the Europlug are 19 mm long. They consist of a 9 mm long conductive tip of 4 mm diameter with a rounded ending, followed by a 10 mm long flexible insulated shaft of not more than 3.8 mm diameter. The two prongs are not exactly parallel and converge slightly; their centres are 19 mm apart at the tip and 18.6 mm apart at the base. The elasticity of the converging prongs provides sufficient contact force for the Europlug's current rating with a variety of socket-hole arrangements. The entire plug is 35.3 mm wide and 13.7 mm high, and must not exceed these dimensions within 18 mm behind its front plane (this allows for the recesses on many European socket types). The left and right side of the plug are formed by surfaces that are at 45° relative to the horizontal plan.



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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 Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in case
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf). 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.
	Indoor Use Only - Mark is on the label or Molded in the case
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50326964, to J60950-1(H26) , J55022(H22),[15V or less]. Please reference the following website for guidelines on PSE regulations: http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/
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)
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
 10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	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