

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

Model:GT-83047-WWVV-X.X-W3Z

May 8, 2024

GT-83047-WWVV-X.X-W3Z

Information

Model Number	GT-83047-WWVV-X.X-W3Z
Description	GT-83047-WWVV-X.X-W3Z, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, NEMA 1-15P, North America Blades, Class II 2 Conductors, Output Rating: 18 Watts, Power rating with convection cooling (W) , V in 0.1V increments, Approvals: WEEE; China RoHS; RoHS; LPS; Class I; Level V; PSE; Ukraine; GOST-R; CE;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-83047
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000JDMsdEAH
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000JDMsdEAH
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

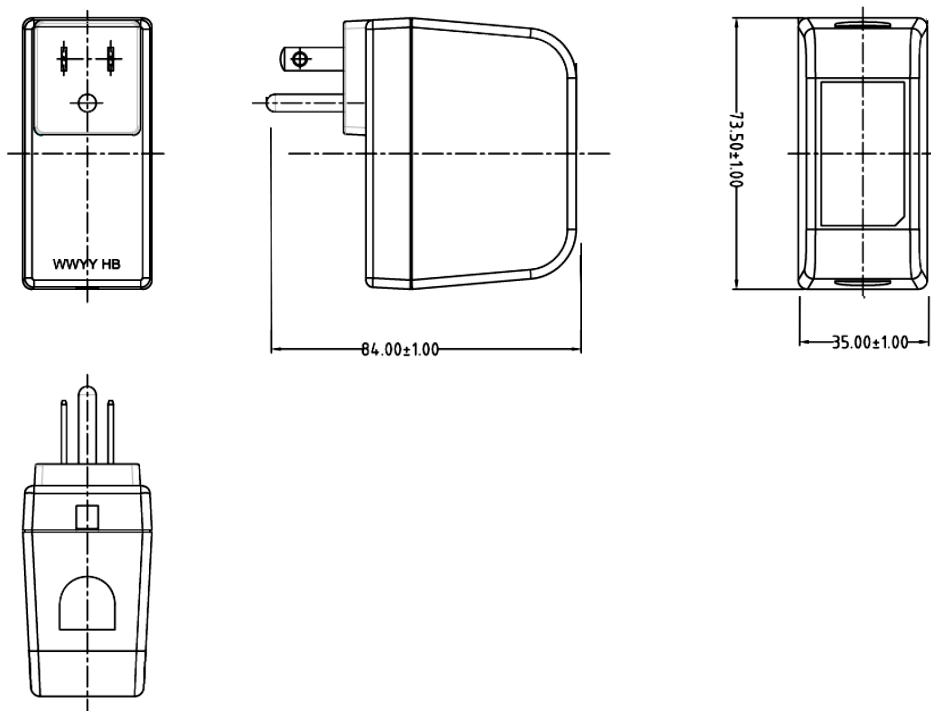
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.8A
Wattage (W)	18.0
Vout Range (V)	
Efficiency Level	V
Ingress Protection	Indoor Use
Size (mm)	

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
a17a000000MKpnq	V			RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. AC inrush current: at full load, 25°C, cold start, 115 VAC, 60Hz INPUT, 230 VAC, 50Hz input, No damage shall be occurred and the input fuse shall not be blown up
02. Output Regulation: +/- 5% measured at the output connector
03. Line Voltage Regulation: +/- 2% At nominal input voltage and full load
04. Output Ripple (Vp-p): 1At 20 MHz, and output parallel with 0.1uF && 10uF capacitors to ground, Temperature at 25°C, and nominal input voltage
05. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% to 50% step load
06. Turn-ON Delay: 3 Seconds maximum at nominal input Voltage
07. Hold-Up Time: 10ms min at nominal Input Voltage
08. Rise time:100ms maximum at nominal input voltage
09. Switching Frequency: 50 KHz typical
10. Average efficiency: 80.29% minimum

B) PROTECTION

01. Over current: $\leq 4A$ with auto-recovery function
02. Over-Voltage: Electronically Protected unit will auto recover upon removal of fault
03. Short Circuit: The adapter shall not be damaged by short the DC output to Ground
04. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: Primary(LN) To Secondary: 3000VAC 10mA 1 minute or 4242VDC 10mA 1 minute, Primary(LN) To Ground: 1500VAC 10mA 1 minute or 2121VDC 10mA 1 minute
02. Earth Leakage Current: 3.5mA maximum, at nominal AC input voltage and frequency
03. Earth continuity test: 0.1 Ohm

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 5% to 95% relative humidity
04. Storage Temperature: -20°C to 60°C
05. Cooling : Cooling shall be with natural convection cooling
06. SAFETY standard: Designed to meet UL/CUL(UL60950-1)
07. EMI standard: Designed to meet FCC (PART 15 CLASS B)

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 74.5 (L) * 36 (W) * 85 (H) mm maximum
03. Markings: Label and/or Pad Printed and/or Molded in the case
04. Weight: 200g maximum

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DERATING CURVE

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INPUT CONFIGURATION

Description	NEMA 1-15P, North America Blades, Class II 2 Conductors
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All NEMA 1 devices are two-wire non-grounding devices (hot-neutral) rated for 125 V maximum. NEMA 1-15P plugs have two parallel flat blades, 0.25 inches (6.35 mm) wide, 0.06 inches (1.524 mm) thick, 0.625-0.718 inches (15.875–18.256 mm) long, and spaced 0.5 inches (12.7 mm) apart.

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OUTPUT CONFIGURATION

Common output connector options:



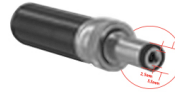
L Type (Coaxial
5.5x2.5mm plug)



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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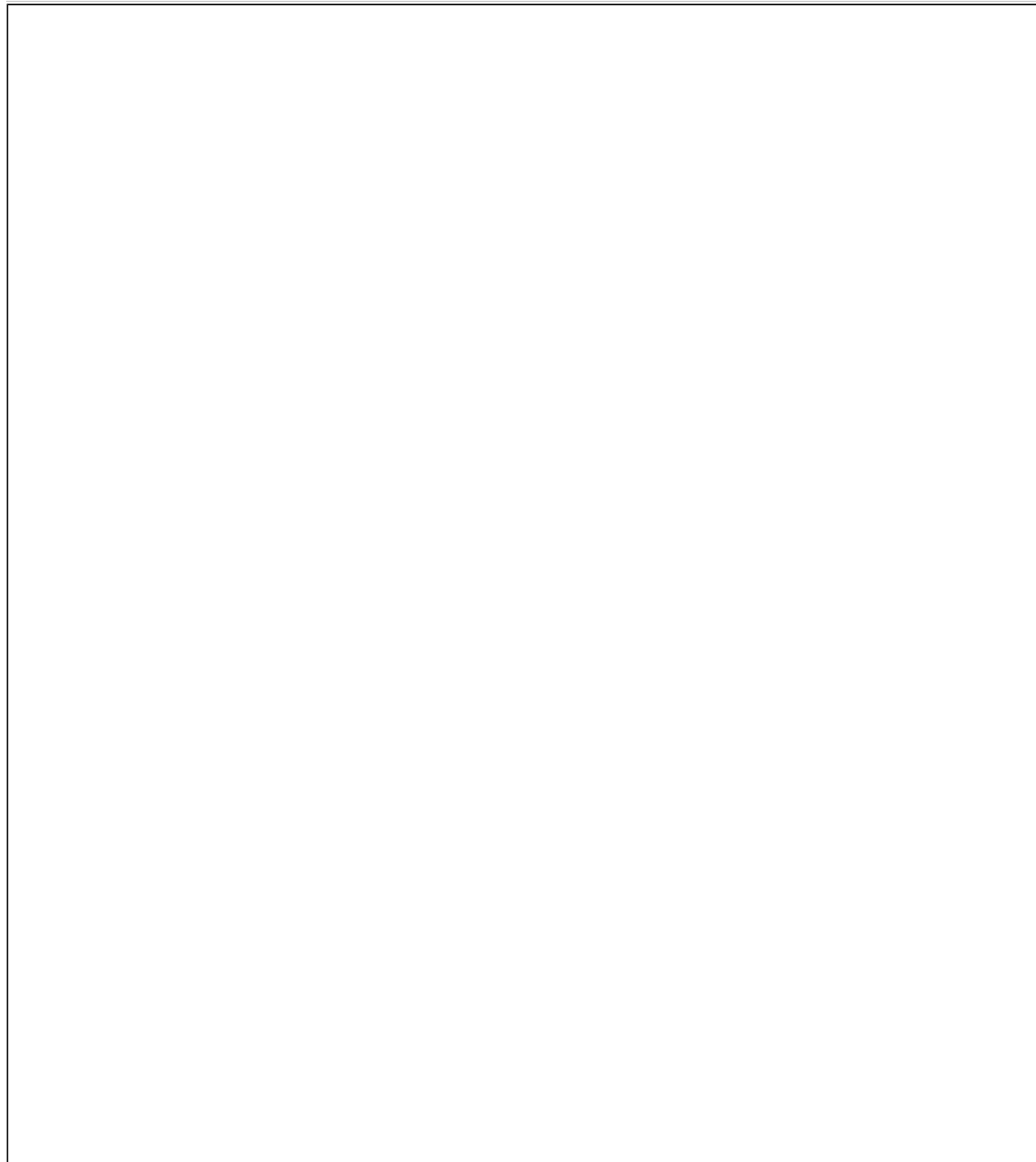
Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
	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
	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
	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
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
 GlobTek, Inc.	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25).Please follow the procedure listed in the following link for proper import to Japan: https://www.globtek.com/r2/Szj4Vb
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
 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

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<https://www.globtek.com/ds/XF3gKLCC3Ej/XWYLT5oJzbk.html>