

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

Model:GT-21089-W3

May 4, 2024

GT-21089-W3

Information

Model Number	GT-21089-W3
Description	GT-21089-W3, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, North America Blades with Ground Prong, Class I, (3) Conductors, Output Rating: 19 Watts, Power rating with convection cooling (W) , 3-24V in 0.1V increments, Approvals: EAC; WEEE; Ukraine; LPS 60950; China RoHS; Class I; PSE; VCCI; CB 60950; RoHS; cUL 60950; IP40; SIQ;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-21089/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000KXD1yEAH
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000KXD1yEAH
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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

Model:GT-21089-W3

May 4, 2024

MODEL PARAMETERS

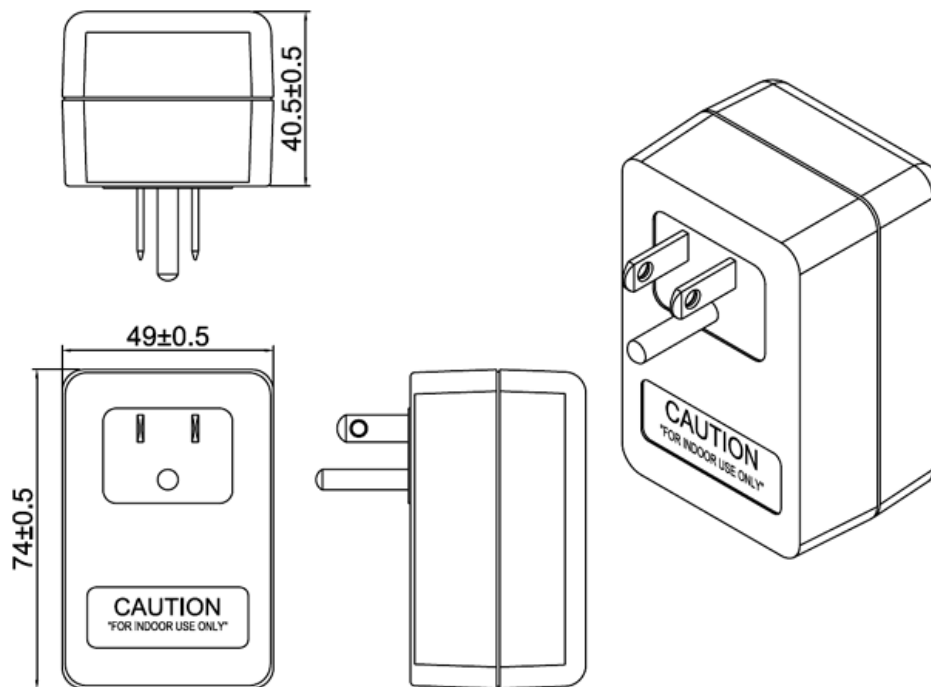
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.5A MAX
Wattage (W)	19.0
Vout Range (V)	3-24
Efficiency Level	N/A
Ingress Protection	
Size (mm)	

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

Model:GT-21089-W3

May 4, 2024

ENCLOSURE



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

Model:GT-21089-W3

May 4, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-21089-0903-W3	3.3 V	2.6	8.58	RFQ
GT-21089-1305-W3	5 V	2.6	13.00	RFQ
GT-21089-1506-W3	6 V	2.5	15.00	RFQ
GT-21089-1509-W3	9 V	1.67	15.03	RFQ
GT-21089-1512-W3	12 V	1.25	15.00	RFQ
GT-21089-1815-W3	15 V	1.2	18.00	RFQ
GT-21089-1818-W3	18 V	1	18.00	RFQ
GT-21089-1824-W3	24 V	0.75	18.00	RFQ
GT-21089-1836-W3	36 V	0.5	18.00	RFQ
GT-21089-1948-W3	48 V	0.4	19.20	RFQ

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/mM3H59LxEpf/Q54pP87q3Mk.html>

Model:GT-21089-W3

May 4, 2024

SPECIFICATIONS

A) ELECTRICAL 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
04. Line Voltage Regulation: +/- 1% typical measured at full load
05. Output Ripple : 1% of output voltage, peak to peak, typical
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Second, typical
08. Hold-Up Time: 10 mS typical at nominal input voltage and full load
09. Inrush Current: 30A typical at 115Vac and 40A typical at 230Vac input
10. Switching Frequency: 100 KHz typical, varies with line and load
11. Efficiency: 75% typical at nominal input and full load

B) PROTECTION

01. Over-Voltage: limited by crowbar method
02. Over Load/Short Circuit: Momentary short circuit protected, output will auto recovery upon removal of short
03. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242 Vdc from primary to secondary (for Class II with functional ground)
02. Earth Leakage Current: <3.5mA at 264 Vac input voltage
03. Earth continuity test:<0.1Ω or < 0.2Ω when with a non-DETACHABLE POWER SUPPLY CORD

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 30°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection
06. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11363-2006

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 74*49*40.5 +/-0.5 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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

Model:GT-21089-W3

May 4, 2024

DERATING CURVE

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

Model:GT-21089-W3

May 4, 2024

INPUT CONFIGURATION

Description	North America Blades with Ground Prong, Class I, (3) Conductors
-------------	---

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

Model:GT-21089-W3

May 4, 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.

Model:GT-21089-W3

May 4, 2024

Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009, CB report IEC 60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + Am 11:2009 + Am 12:2011
	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
	UL60950-1, cULus to UL 60950-1, 1st Edition, 2007-10-31 and CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	Indoor Use Only - Mark is on the label or Molded in the case
IP40	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies
LPS	Limited Power Source 60950
	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
	SIQ Mark EN 60950-1 :2006 +A 1 :2010 +A 11 :2009 +A 12:2011 + A2:2013

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

Model:GT-21089-W3

May 4, 2024

 10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	Japan: Voluntary Control Council for Interference (VCCI)
	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