

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

Model:GT-81088-06VV-x.x-W2E

July 25, 2021

GT-81088-06VV-x.x-W2E

Information

Model Number	GT-81088-06VV-x.x-W2E
Description	GT-81088-06VV-x.x-W2E, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, European CEE 7/16 configuration:EN 50075 Europlug 2 PIN, Output Rating: 6 Watts, Power rating with convection cooling (W) , 5-12V in 0.1V increments, Approvals: VCCI; Level V; CE; China RoHS; WEEE; Double Insulation; Ukraine; EAC; RoHS;

Model Picture



Agency Documents	http://www.globtek.info/certs/GT-81088/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000008UldqEAC
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000008UldqEAC
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

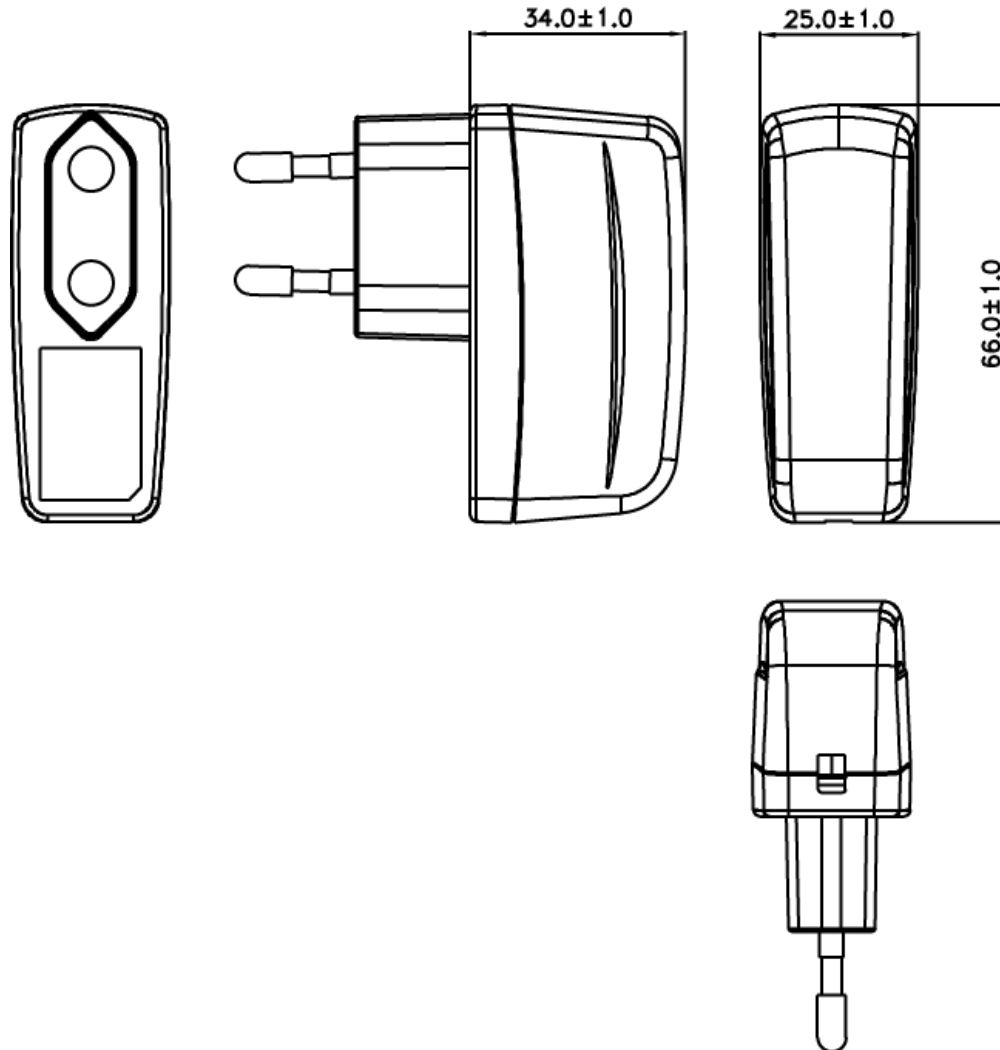
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.2
Wattage (W)	6.0
Vout Range (V)	5-12
Efficiency Level	V
Ingress Protection	
Size (mm)	66*41*25

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-81088-057.5-2.5-W2E	5 V	1	5.00	RFQ
GT-81088-057.5-1.5-W2E	6 V	0.833	5.00	RFQ
GT-81088-0612-3.0-W2E	9 V	0.66	5.94	RFQ
GT-81088-0612-W2E	12 V	0.5	6.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Power (Rated): 5 Watts max
4. Output Regulation: +/- 5% for main output, measured at the output connector
5. Line Regulation: +/- 2% Max at full load
6. Output Ripple (Vp-p): 100 mV P-P Max at 20 MHz and output parallel with 0.1uf and 10uf capacitors to ground temperature at 25°C, at 115/230 Vac input voltage
7. Turn-On/Turn-Off Overshoot: 5% maximum, 500 uS max recovery time for 25% step load
8. Turn-On Delay: <2 second
9. Hold-Up Time: 5 mS min at nominal input voltage & full load
10. Switching Frequency: 65 KHz typical
11. No load power consumption: complies with Energy Star and EISA, efficiency Level IV(North America)

B) PROTECTION

1. Over-Voltage: Electronically Protection: protected, unit will recover upon removal of fault
2. Over current/Short Circuit: Protected, unit will recover upon removal of fault
3. Other Protection: Input line fusing
4. Dielectric withstand voltage: 4242 Vdc primary-secondary, 2121 Vdc primary-ground

C) SAFETY

1. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
2. Touch Current: <0.25mA @ 240Vac input voltage

D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: 20°C to 85°C
5. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 66*34*25 +/-1.0mm

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DERATING CURVE

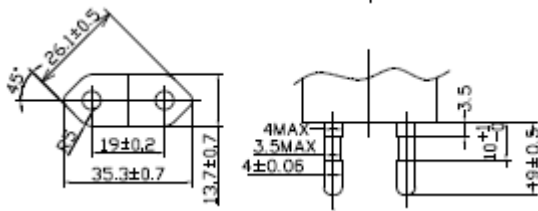
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INPUT CONFIGURATIONDescription European CEE 7/16 configuration:EN 50075 Europlug 2 PIN

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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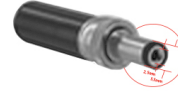
OUTPUT CONFIGURATION

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
	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://en.globtek.com/globtek-rohs.php
	
	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
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
 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