

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

Model:GT-86060-06VV-X.X-W2E

July 24, 2021

GT-86060-06VV-X.X-W2E

Information

| | |
|--------------|---|
| Model Number | GT-86060-06VV-X.X-W2E |
| Description | GT-86060-06VV-X.X-W2E, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50/60Hz, European CEE 7/16 configuration:EN 50075 Europlug 2 PIN, Output Rating: 6 Watts, Power rating with convection cooling (W) , 5-12VV in 0.1V increments, Approvals: EAC; Morocco; WEEE; Double Insulation; CB 62368; CE; RoHS; China RoHS; LPS 60950; Ukraine; CB 60950; |

Model Picture



| | |
|-------------------------------|---|
| Agency Documents | http://www.globtek.info/certs/GT-86060-WVVV-W2Z/ |
| CE EC-Declaration | https://www.globtek.com/pdf/ec_declaration/a0Oa000000MmdtPEAR |
| RoHS/RoHS2 Declaration | https://www.globtek.com/pdf/rohs_cert/a0Oa000000MmdtPEAR |
| 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~, 50/60Hz |
| I/P Amps (A) | 0.2A |
| Wattage (W) | 6.0 |
| Vout Range (V) | 5-12V |
| Efficiency Level | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | IPX0 |
| Size (mm) | 71.2*25.0*66.0 |

PROPRIETARY INFORMATION

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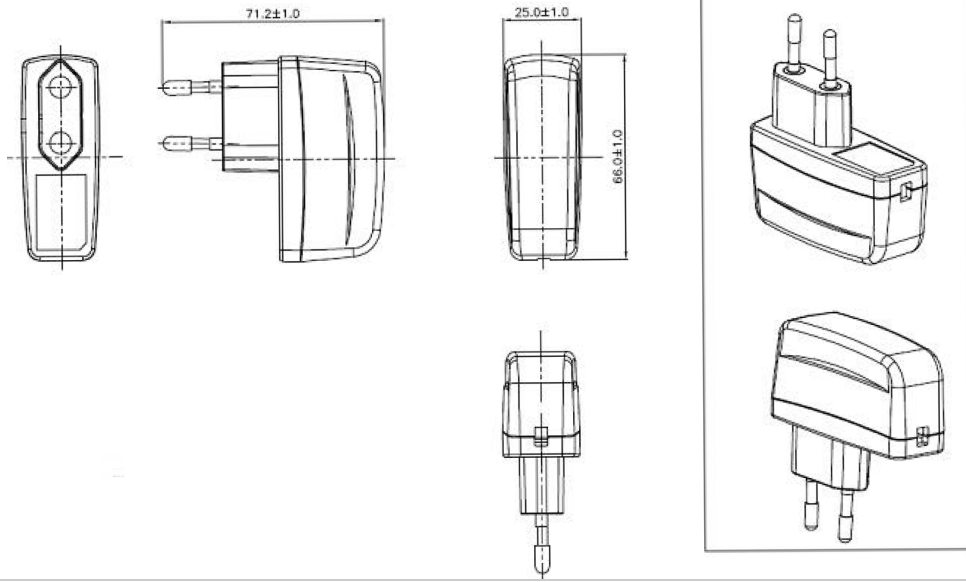
<https://en.globtek.com/datasheet/id/a0Oa000000MmdtP>

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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|-------------------|---------|---------|----------|---------------------|
| GT-86060-0505-W2E | 5 V | 1 | 5.00 | RFQ |
| GT-86060-0605-W2E | 5 V | 1.2 | 6.00 | RFQ |
| GT-86060-0612-W2E | 12 V | 0.5 | 6.00 | RFQ |
| GT-F6060-0624-W2E | 24 V | 0.25 | 6.00 | RFQ |

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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%
04. Ripple and Noise (Vp-p): 250 mVp-p maximum, At 20 MHz, and output parallel with 0.1uF & 47uF capacitors to ground. Temperature at 25 °C, and nominal input voltage
05. Efficiency: Compliant with Efficiency Level VI and ErP European Commission's Ecodesign Directive (2005/32/EC) / CoC Tier 2 Compliant
06. No Load Standby Power: <0.075W @ 230Vac
07. Turn-ON Delay: 3 Seconds maximum at nominal input voltage
08. Rise Time: 100mS maximum at nominal input voltage

B) PROTECTION

01. Over-Voltage
02. Over current protection
03. Short Circuit: Short circuit protection is to be included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor will be short circuit tolerant for an indefinite period.

C) SAFETY

01. Dielectric Withstand Voltage: Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute
02. Touch Current: Did not exceed 100uA NC(Normal condition) 500uA SFC(single fault condition)

D) EMC

01. Emissions, per EN 55032, EN 61000-6-3, EN 61000-6-4
 - Conducted Emissions: Class B, FCC Part 15, Class B
 - Radiated Emissions: Class B, FCC Part 15, Class B
02. Line Frequency Harmonics EN61000-3-2, Class A
03. Voltage Fluctuations/Flicker EN61000-3-3
04. Immunity, per EN 55024, EN 61000-6-1, EN 61000-6-2
 - Static Discharge Immunity EN61000-4-2, 4kV Contact Discharge, 8kV air discharge
 - Radiated RF Immunity EN61000-4-3, 3V/m 80-1000MHz, 80% 1KHz AM.
 - EFT/Burst Immunity EN61000-4-4, 1kV/100kHz.
 - Line Surge Immunity EN61000-4-5, 1kV differential, 2kV common-mode
 - Conducted RF Immunity EN61000-4-6, 3Vrms, 80% 1KHz AM
 - Power Frequency Magnetic Field Immunity EN61000-4-8, 1A/m
 - Voltage Dip Immunity EN61000-4-11, Criteria

E) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: natural convection cooling
06. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

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F) ENCLOSURE

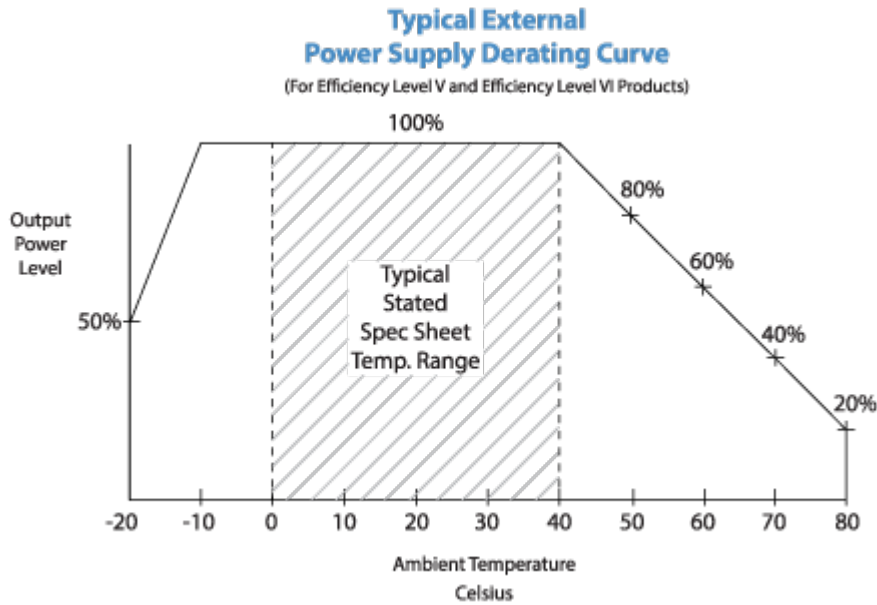
- 01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
 - 02. Markings: Label and/or Pad Printed and/or Molded in the case
-

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DERATING CURVE



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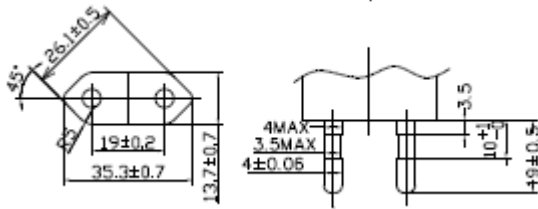
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INPUT CONFIGURATION

 Description European CEE 7/16 configuration: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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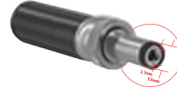
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OUTPUT CONFIGURATION

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 for IEC 62368-1:2014 (Second Edition) |
| No Logo | CB Report IEC60950-1:2005 (2nd Edition), Am 1: 2009 + Am 2:2013 |
|  | 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 |
| Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1 | Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1 |
|  | |
|  | Declaration ДС № EAЭC N RU Д-US.KA01.B.10453_19 Custom Union of Russia, Belarus and Kazakhstan http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration |
|  | Indoor Use Only - Mark is on the label or Molded in the case |
| LPS | Limited Power Source 60950 |
|  | Morocco SDoC declaration http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/ |

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| | |
|---|---|
| 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 UKR Sepro (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 |