

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

Model:GTDH3092-WWVV-X.X

January 23, 2022

GTDH3092-WWVV-X.X

Information

Model Number

GTDH3092-WWVV-X.X

Description

GTDH3092-WWVV-X.X, ICT/ITE Power Supply, Vehicle/Car DC/DC Converter, DC-DC, , Input Rating: 36-72 VDC, See "Blade/Cord Installed" section. Contact GlobTek for customization requests such as Molded country plugs, Molex or TE connectors, or IEC connectors mounted on any type of cable in any customer specified lengths., Output Rating: 18 Watts, Power rating with convection cooling (W) , 5~33V in 0.1V increments, Approvals: CE; RoHS; China RoHS; WEEE;

Model Picture



Agency Documents

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a00a000000MFI4BEAX

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a00a000000MFI4BEAX

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

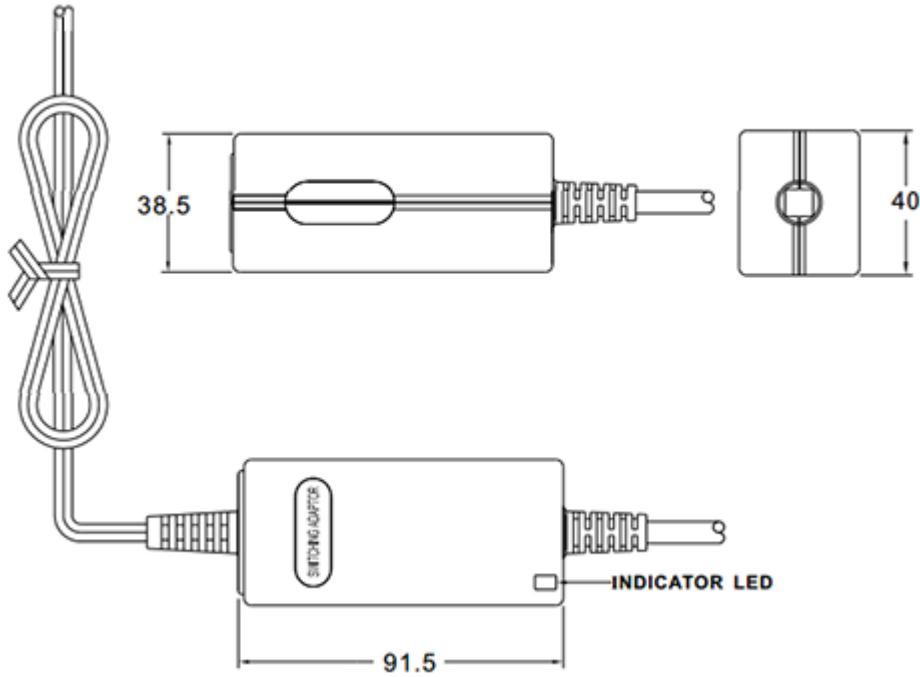
Type	Vehicle/Car DC/DC Converter
Technology	DC-DC
Category	ICT/ITE Power Supply
Input Voltage	36-72 VDC
I/P Amps (A)	2.0A Max
Wattage (W)	18.0
Vout Range (V)	5~33
Efficiency Level	
Ingress Protection	
Size (mm)	91.5*38.5*40

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTDH3092-1505	5 V	3	15.00	RFQ
GTDH3092-1506-X.X	6 V	2.5	15.00	RFQ
GTDH3092-1808-X.X	8 V	1.88	15.04	RFQ
GTDH3092-1811-X.X	11 V	1.64	18.04	RFQ
GTDH3092-1813-X.X	13 V	1.38	17.94	RFQ
GTDH3092-1816-X.X	16 V	1.13	18.08	RFQ
GTDH3092-1821-X.X	21 V	0.86	18.06	RFQ
GTDH3092-1827-X.X	27 V	0.67	18.09	RFQ
GTDH3092-1833-X.X	33 V	0.55	18.15	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 36-72 Vdc
02. Output Regulation: +/- 5% for main putput, measured at the output connector
03. Line Voltage Regulation: +/- 0.5% typical measured at full load
04. Output Ripple : 1% typical
05. Inrush Current: 20A typical at 115Vac and 40A typical at 230Vac input
06. Switching Frequency: 100 KHz typical, varies with line and load

B) PROTECTION

01. Dielectric Withstand Voltage: 2828Vdc(or 2000Vac) from primary to secondary
02. Touch Current: <0.25mA @ 240Vac input voltage
03. Over-Voltage: limited by crowbar method
04. Over Load/Short Circuit: Momentary short circuit protected, output will auto recovery upon removal of short

D) 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: 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. Markings: Label and/or Pad Printed and/or Molded in the case
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DERATING CURVE

N/A

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INPUT CONFIGURATIONDescription

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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 Certification
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php
	Indoor Use Only - Mark is on the label or Molded in the case
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
	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