

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

Model:GTDH3092-WWVV-X.X

June 24, 2019

GTDH3092-WWVV-X.X

Information

Model Number GTDH3092-WWVV-X.X

Description GTDH3092-WWVV-X.X, ITE Power Supply, Vehicle/Car DC/DC Converter, DC-DC, , Input Rating: 36-72 VDC, See "Blade/Cord Installed" section, 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/a0Oa000000MFI4BEAX

RoHS/RoHS2

Declaration

https://www.globtek.com/pdf/rohs_cert/a0Oa000000MFI4BEAX

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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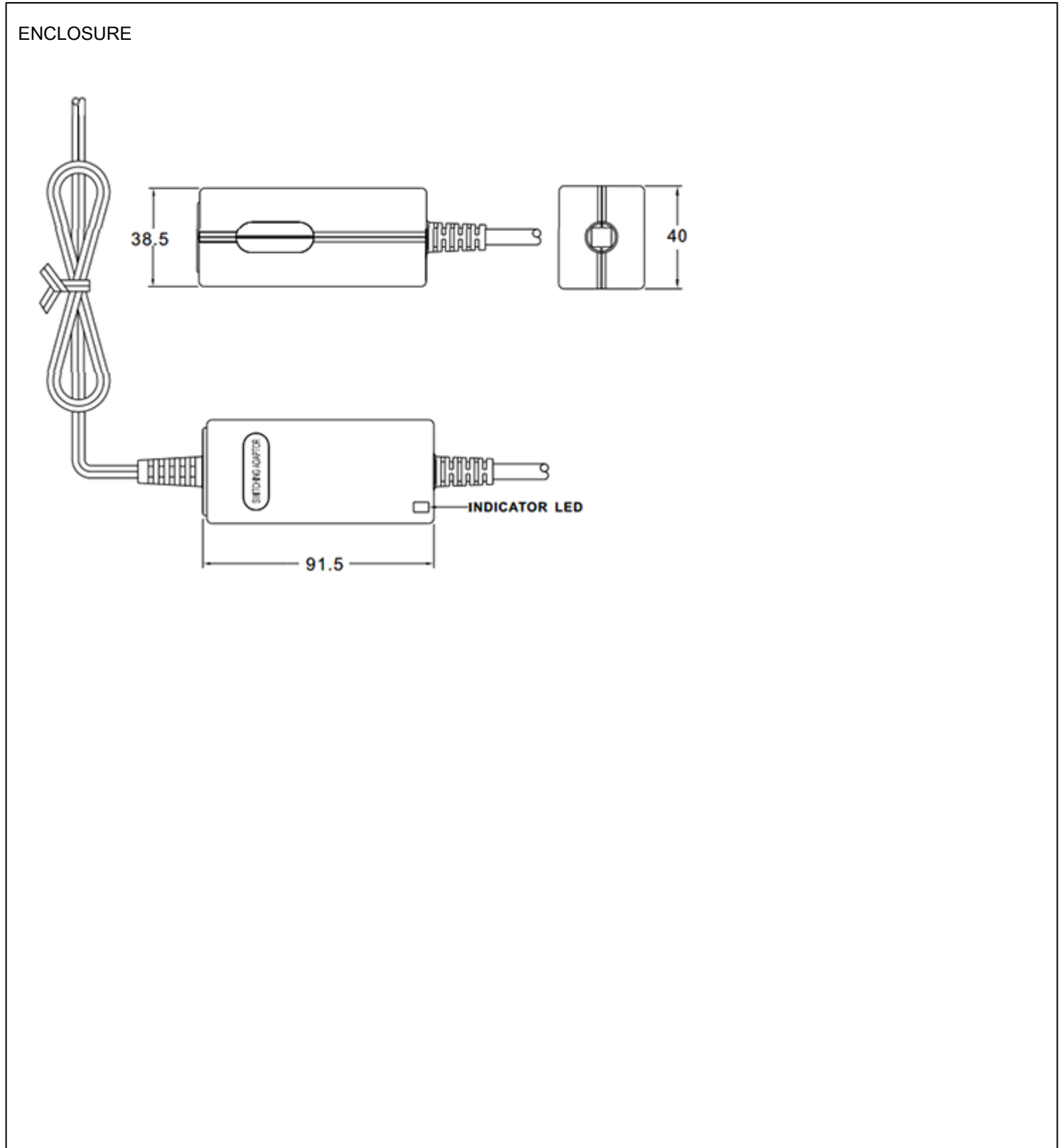
Model Parameters

Type	Vehicle/Car DC/DC Converter
Technology	DC-DC
Category	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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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTDH3092-1505	5 V	3	15.00	RFQ
GTDH3092-1506-X.X6	V	2.5	15.00	RFQ
GTDH3092-1808-X.X8	V	1.88	15.04	RFQ
GTDH3092-1811-X.X11	V	1.64	18.04	RFQ
GTDH3092-1813-X.X13	V	1.38	17.94	RFQ
GTDH3092-1816-X.X16	V	1.13	18.08	RFQ
GTDH3092-1821-X.X21	V	0.86	18.06	RFQ
GTDH3092-1827-X.X27	V	0.67	18.09	RFQ
GTDH3092-1833-X.X33	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 output, 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 Configuration

Description See "Blade/Cord Installed" section

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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