

GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: GTA41077P10012, ICT/ITE Power Supply, Efficiency Level: IV, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 , Output Rating: 100W, 12.0V@8.33A, Output Configuration: 1000 mm, 16/2 Cond, UL 2464, 4 Pin 180 degree DIN Plug or Equal, Ferrite: Core Size: 14.2*28.5*8.2, GlobTek Black, GT Cord # C1077, Pin Out: Pin 1, 2: (+) Pin 3, 4: (-), Blades/Input Cord: (Order Separately), Approvals: CE; GOST-R; Ukraine; VCCI; RoHS; NrCAN; PSE; CCC; WEEE; Class I; cUL 60950; China RoHS; Level IV; PSE; PSE; PSE;	
	Model No. GTA41077P10012	
	Part No./Ordering No. TR9CE8300N04-N(R)	Rev I

In Addition to GlobTek Inc.'s renewed ISO9001:2015 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2016 - Medical Devices Quality Management System Certification  
ISO14001:2015 - Environmental Management System Certification

ISO Certificates are available online at <https://www.globtek.com/iso-certificates/>

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek TERMS AND CONDITIONS (attached to the end of this document), which supersede all other agreements, terms, and conditions (<https://en.globtek.com/terms-and-conditions/>).

The purchaser of this product (Customer) agrees that it is their sole responsibility to determine suitability/fitness of the product described in this specification for their application and to take precautions for protection against any hazards attendant to the handling and use of the product.

Footnote:

GlobTek Inc. will not be liable for the safety and performance of these power supplies/battery packs if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

Limitation of Use:

GlobTek products are intended for use with commercial, medical, and/or industrial equipment only. GlobTek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of GlobTek Inc.

Contents of this document are subject to change without prior notice.

### Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.  
A delay in receipt of this form will delay delivery schedule.

Company Name: _____	Customer P/N: _____
Quote Number: _____	Date: _____
Authorized Representative Name: _____	Authorized Representative Signature: _____

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## REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
I	Add circle '30' to approvals	QA	07/31/2014	QA

### POWER SUPPLY INFORMATION

TYPE	Desktop/External
TECHNOLOGY	Regulated Switchmode AC-DC Power Supply AC Adaptor
CASE COLOR	GlobTek Black
NAMEPLATE RATED INPUT	100-240V~, 50-60 Hz, 1.8 A
INPUT CONFIG	IEC 60320/C14
WATTS	100.00
VOLTS OUT	12.0
CURRENT OUT (Amps)	8.33
BLADE/CORD INCLUDED	None (Order Separately)
BLADE/CORD INSTALLED	None :(Order Separately)
INGRESS PROTECTION	
GROUNDING CONFIGURATION	
EFFICIENCY LEVEL	IV
OUTPUT CONFIGURATION	1000 mm, 16/2 Cond, UL 2464, 4 Pin 180 degree DIN Plug or Equal, Ferrite: Core Size: 14.2*28.5*8.2, GlobTek Black, GT Cord # C1077
CONNECTOR PIN OUT	Pin 1, 2: (+) Pin 3, 4: (-)
LABEL SPECS	Standard GT,L-1186
SPECIAL BARCODE LABEL MATERIAL	No
PACK SPEC	Standard DT, Cellular packaging
USER MANUAL	

**PROPRIETARY INFORMATION**

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Notes/Modifications/Customizations (notes in this section supersede the values shown in the standard spec)

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

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## ELECTRICAL 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% for main output, measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at full load
05. Output Ripple (Vp-p): +/-1% or 150 mV whichever is greater, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector
06. Turn-ON/OFF Overshoot: 5% maximum, 500 uS max recovery time for 25% to 50% step load
07. Turn-ON Delay: 3000 mS, maximum @ full load, nominal line
08. Hold-Up Time: 16 mS typical @ nominal input voltage and full load
09. Turn-on time: 3S AT 115V input at full load
10. Inrush Current: 40A maximum at cold start for N.A. (60A for Euro)
11. Switching Frequency: 100 KHz typical
12. Over-voltage protection: protected, AC cycling required to reset output
13. Over current /short circuit: HICCUP with autorecovery upon removal of overload or short circuit
14. Other protection: input fusing
15. Power factor; 0.95 min. at full load 230V input

### B) PROTECTION

01. Over-Voltage: Electronically Protected Zener clamp across the output
02. Short Circuit: Electronically Protected unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

### C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Earth leakage Current: <3.5mA @ 240Vac input voltage
03. Touch Current: <0.25mA @ 240Vac input voltage
04. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
05. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

### 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

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 172.5 x 72.2 x 38.0 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case
04. Blue LED to indicate Power out

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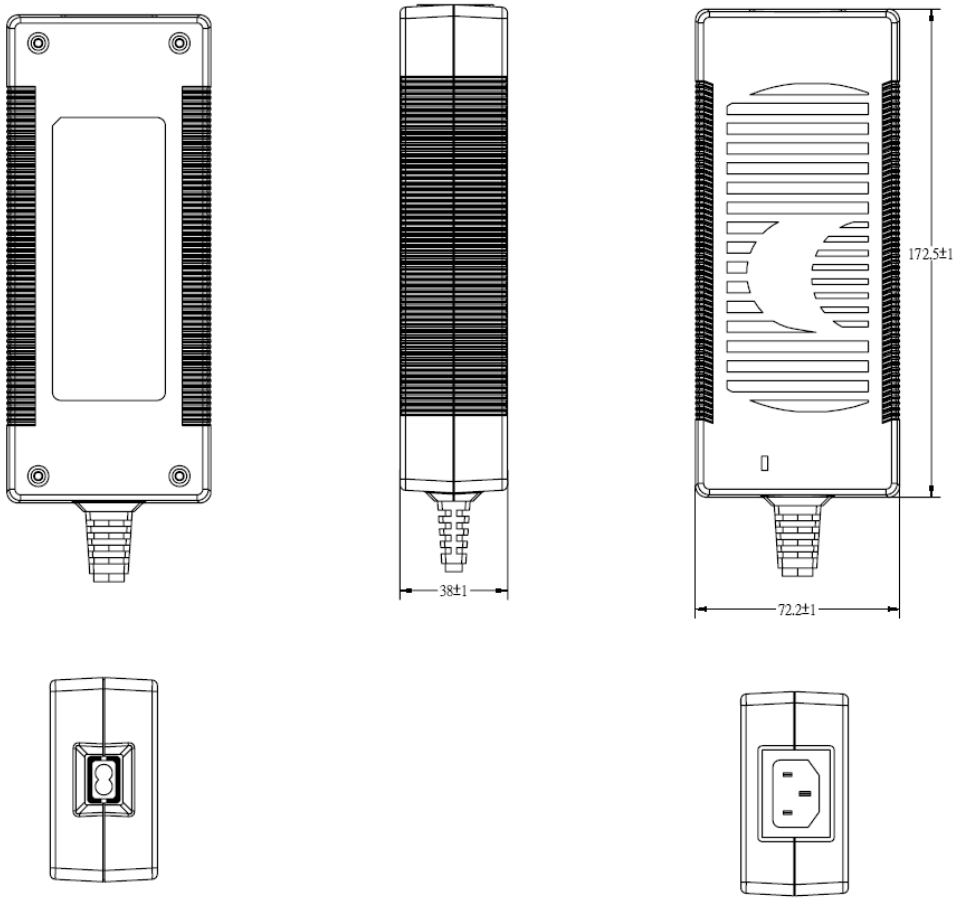
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Mechanical drawing



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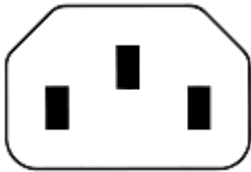
## INPUT CONFIGURATION

[Alternate grounding configurations](#) available upon request.

Blades/Cord Included:None:(Order Separately)

Blades/Cord Installed:None:(Order Separately)

IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle and cord option available on some models by request.:



### [Standard International IEC 320/C13 Cordsets](#)

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or packaged with the power supply. Contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

## Stock Power Supply Cords

Part Number/ Link	Country	Plug	Termination	Length (mm)	(Ft)
<a href="#">3021457F701(R)</a>	N. American (Type B)	NEMA 5-15P	IEC 320/C13	2150	7
<a href="#">1191068F0701(R)</a>	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C13	2459	8
<a href="#">2194272M5701-T(R)</a>	Argentina (Type I)	IRAM 2073	IEC 320/C13	2500	8
<a href="#">5502022M5701A(R)</a>	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C13	2500	8
<a href="#">204B4272M5701(R)</a>	Brazil (Type N)	BRAZIL	IEC 320/C13	2500	8

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<a href="#">6023602M5701(R)</a>	China (Type I)	CCC GR2099	IEC 320/C13	2500	8
<a href="#">G8014272M5701(R)</a>	Danish (Type K)	AFSNIT SECTION 107-2-D1	IEC 320/C13	2500	8
<a href="#">23144272M5701-T(R)</a>	Europe (Type E)	CEE 7/7	IEC 320/C13	2500	8
<a href="#">23134272M5701EUKR(R)</a>	Europe/Korea Combo (Type E)	CEE 7/7 / KSC8305	IEC 320/C13	2500	8
<a href="#">205IN4272M5701(R)</a>	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC 320/C13	2500	8
<a href="#">208IN4272M5701(R)</a>	India (Type M)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C13	2500	8
<a href="#">377C4272M5701(R)</a>	Israel (Type H)	ISL 377C	IEC 320/C13	2500	8
<a href="#">23024272M5701(R)</a>	Italy (Type L)	CEI 23-16/VII	IEC 320/C13	2500	8
3003339F701(R) [3x1.25mm2]	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C13	2500	8
3003068F2701-HK(R) [3 x 2.0mm2]					
<a href="#">302J115J6F0701J(R)</a>	North America / Japan (Type B – 12A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
<a href="#">302J104J6F0701J(R)</a>	North America / Japan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
<a href="#">302JT104J9F0701JT(R)</a>	North America / Japan / Taiwan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved)	IEC 320/C13	2800	9
<a href="#">2313K3432M5701(R)</a>	Korea (Type F)	KS C 8305	IEC 320/C13	2500	8
<a href="#">5804272M5701(R)</a>	Russia (Type F)	GOST 7396	IEC 320/C13	2500	8
<a href="#">2084272M5701(R)</a>	South Africa (Type M)	South Africa SABS164-1 (16A type)	IEC 320/C13	2500	8
<a href="#">23214272M5701(R)</a>	Switzerland (Type J)	SEV 1011	IEC 320/C13	2500	8
<a href="#">3003322M5701(R)</a>	Taiwan (Type B)	BSMI	IEC 320/C13	2500	8
<a href="#">6363762M5701(R)</a>	Thailand (Type O)	TIS 166-2549	IEC 320/C13	2500	8
<a href="#">PZ0800100-2M5BK13H(R)</a>	UK, Hong Kong, Singapore, Gulf States (Type G)	BS 1363A	IEC 320/C13	2500	8
<a href="#">7055002M5701A(R)</a>	International	IEC 320 C14-C13	IEC 320/C13	2500	8



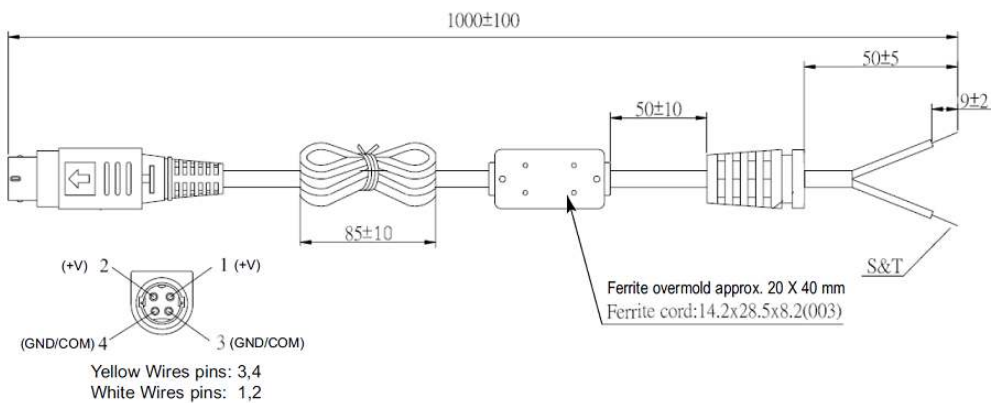
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**OUTPUT CORD AND CONNECTOR: N04/C1077**

ACTUAL CONNECTORS, OVERMOLDS, FERRITES MAY VARY SLIGHTLY FROM THE PICTURE BELOW

CABLE TYPE	UL 2464
CABLE LENGTH (mm)	1000
CABLE TOLERANCE (mm)	+/- 100
WIRE GAUGE (AWG)	16
CONDUCTORS	2
HANK DIMENSION (mm)	85 +10 -10
CABLE / CONNECTOR OVERMOLD COLOR	GlobTek Black
FERRITE TYPE AND DIMENSION	Core Size: 14.2*28.5*8.2
FERRITE NUMBER OF TURNS(Definition)	2 Pass thru core (1 turns)
FERRITE DIMENSION FROM STRAIN RELIEF	50 +/-10
FERRITE DIMENSION FROM PLUG	N/A
PLUG TYPE	4 Pin 180 degree DIN Plug or Equal
OVER MOLD ORIENTATION	Straight
CONNECTOR PIN OUT	Pin 1, 2: (+) Pin 3, 4: (-)

CONDUCTOR COLOR CODE CAN NOT BE DEVIATED FROM. WHITE CONDUCTOR +V YELLOW CONDUCTOR COM/GRD



ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT <https://www.globtek.com/connectors/>  
 STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT <https://www.globtek.com/connectors/>  
 CALCULATE VOLTAGE REGULATION/DROP WITH OUR ONLINE CALCULATOR: <https://en.globtek.com/output-cable-regulation-calculator/>

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## OUTPUT CONNECTOR HOOK UP

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FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT:

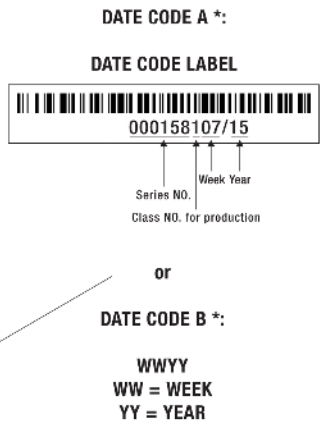
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**LABEL:L-1186**

LABEL P/N	Standard GT
MATERIAL	Flat Thermal Transfer, Imprintable, Polyester Label and/or Pad Printed and/or Molded, and/or Laser Engraved in the case
BACKGROUND COLOR	Black if housing is Black, White or Silver if housing is White or Gray.
TEXT COLOR	White or Silver if label is Black Background for Black housing. Black if label is White or Silver background and Housing is White or Gray.
LABEL WIDTH (mm)	39.5
LABEL HEIGHT (mm)	99.5
SPECIAL BARCODE LABEL MATERIAL	No

Below is the minimum information which will appear on the label. NOTE: in the logo area additional/actual positioning of symbols and text is subjected to change as per agency updates/requirements or additional model approvals become available. Regulatory certifications/label markings may be in logo area on the label or molded into the case housing outside the label area. Information will be shown via label and/or pad printed and/or molded and/or laser engraved in the case. \* Date code markings at GlobTek option



A=ICT/ITE Power Supply  
 B=P/N: (料号) TR9CE8300N04-N(R)  
 C=Model (型号) GTA41077P10012  
 D=Input (输入)100-240V~, 50-60 Hz, 1.8 A  
 E=Output (输出)12.0 V 8.33 A, 100.00W

GloTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: GTA41077P10012, ICT/ITE Power Supply, Efficiency Level: IV, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 , Output Rating: 100W, 12.0V@8.33A, Output Configuration: 1000 mm, 16/2 Cond, UL 2464, 4 Pin 180 degree DIN Plug or Equal, Ferrite: Core Size: 14.2*28.5*8.2, GlobTek Black, GT Cord # C1077, Pin Out: Pin 1, 2: (+) Pin 3, 4: (-), Blades/Input Cord: (Order Separately), Approvals: CE; GOST-R; Ukraine; VCCI; RoHS; NrCAN; PSE; CCC; WEEE; Class I; cUL 60950; China RoHS; Level IV; PSE; PSE; PSE;	
	Model No. GTA41077P10012	
	Part No./Ordering No. TR9CE8300N04-N(R)	Rev I

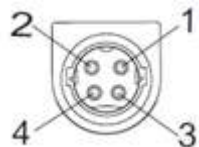
AGENCY ONLINE DOCUMENTS	<a href="http://www.globtek.info/certs/GTA41077P/">http://www.globtek.info/certs/GTA41077P/</a>
CE EC-Declaration for Medical	<a href="#">Contact GlobTek for more information</a>
CE EC-Declaration for Industrial/Commercial/ITE	<a href="http://globtek.force.com/models/ec_declaration_product?id=01t30000002p7TJ&amp;i=4">http://globtek.force.com/models/ec_declaration_product?id=01t30000002p7TJ&amp;i=4</a>
CE EC-Declaration for Household	<a href="#">Contact GlobTek for more information</a>
UKCA-Declaration for Medical	<a href="#">Contact GlobTek for more information</a>
UKCA-Declaration for Industrial/Commercial/ITE	<a href="http://globtek.force.com/models/ukca_declaration_product?id=01t30000002p7TJ&amp;i=4">http://globtek.force.com/models/ukca_declaration_product?id=01t30000002p7TJ&amp;i=4</a>
UKCA-Declaration for Household	<a href="#">Contact GlobTek for more information</a>
Morocco SDoC Declaration	<a href="https://globtek.secure.force.com/models/Morocco_SDoC_Declaration?id=a0O30000007P7YeEAK">https://globtek.secure.force.com/models/Morocco_SDoC_Declaration?id=a0O30000007P7YeEAK</a>
RoHS/RoHS3 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/01t30000002p7TJAAY">https://www.globtek.com/pdf/rohs_cert/01t30000002p7TJAAY</a>
REACH Declaration	<a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>
Prop 65 Statement	<a href="https://en.globtek.com/prop-65-statement.pdf">https://en.globtek.com/prop-65-statement.pdf</a>
IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.	

## Regulatory Certifications/Label Markings

Below follows a link to the latest regulatory certifications and marks for this specific product. National standards as well as certification schemes are constantly changing and so is the set of certification marks and symbols applicable to this product. Various standards, marks and symbols, and certificates are subject to change at any time without notice.

Additional standards or unique country certifications are available upon request. Please contact Globtek to request a quotation.

LATEST PRODUCT/MODEL CERTIFICATIONS:	<a href="https://www.globtek.com/datasheet/w70447">https://www.globtek.com/datasheet/w70447</a>
AGENCY ONLINE DOCUMENTS	<a href="http://www.globtek.info/certs/GTA41077P/">http://www.globtek.info/certs/GTA41077P/</a>



Pin 1, 2: (+)  
Pin 3, 4: (-)

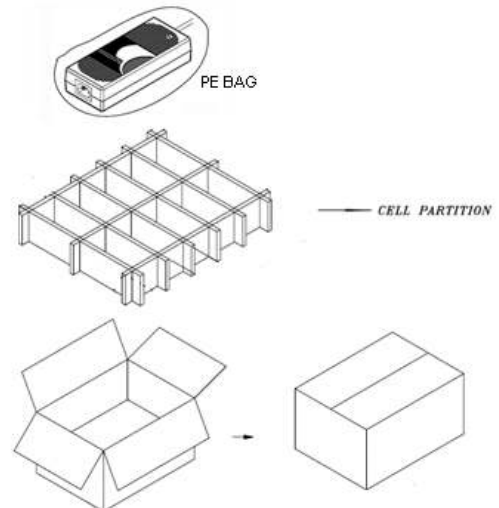
GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: GTA41077P10012, ICT/ITE Power Supply, Efficiency Level: IV, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 , Output Rating: 100W, 12.0V@8.33A, Output Configuration: 1000 mm, 16/2 Cond, UL 2464, 4 Pin 180 degree DIN Plug or Equal, Ferrite: Core Size: 14.2*28.5*8.2, GlobTek Black, GT Cord # C1077, Pin Out: Pin 1, 2: (+) Pin 3, 4: (-), Blades/Input Cord: (Order Separately), Approvals: CE; GOST-R; Ukraine; VCCI; RoHS; NrCAN; PSE; CCC; WEEE; Class I; cUL 60950; China RoHS; Level IV; PSE; PSE; PSE;	
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**PACKAGING**

Packing Spec P/N	Standard DT, Cellular packaging
Box Qty	20
Gift Box Size (mm)	Egg Crate
Gift Box Color	None
Master Carton Size (mm)	460 x 461 x 182
Master Carton Cubic Volume (m³)	0.04
Master GW (Kg)	15.4 kg
BLADES INCLUDED	None: (Order Separately)
BLADE/CORD INSTALLED	None: (Order Separately)
USER MANUAL*	
USER MANUAL WEB LINK	

\* This specification sheet is considered the user manual for all applications. It is expected that the buyer of this product will use it to formulate their own user manual for their end product and a user manual specifically for the power adapter is not usually required. If a user manual is not specifically listed above then none will be provided with this unit.

If specific packaging is required, this section must specify all requirements and note "no exceptions". If this section does not specify packaging, it is subject to change without notice at GlobTek's discretion.



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### INSTRUCTIONS TO THE OEM SYSTEMS ENGINEER

It is the responsibility of the OEM systems engineer to provide the end system user instructions and warnings for the use of this product in the end system.

If an input cord is required for this product, AC Mains voltage should be provided to the power supply by a power supply cord approved to the national standards of the country in which it will be used.

This product is not designed to be repaired. No serviceable parts inside. A blown internal fuse is an indication of catastrophic failure of circuit component(s). If a Failure Analysis is required for a failed power supply/battery charger, please return the damaged unit to GlobTek for an accurate determination of the root cause of the failure.

EMC Compliance of the complete OEM product, including the GlobTek power supply/battery charger needs to be verified by the OEM systems engineer.

### INSTRUCTION SHEET

N/A

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