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186 Veterans Drive,
Northvale, NJ 07647
Tel. (201) 784-1000
Fax (201) 784-0111

Drawing Title: GT-41131-3015-3.0, ICT/ITE Power Supply, Efficiency Level: V, Case Color/Style: GlobTek Cool Gray (Pantone#11C), Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php, Output Rating: 30.00W, 12.0V@2.5A, Pin Out: Center Positive (+V), symbol compliant with IEC 60417 symbol no. 5926, Output Configuration: 1530 mm, 18/1C + Shield Cond, UL 1185, Female Barrel 5.5 * 2.5 * 11mm No internal Spring Clip nor Locking Notch or Equal, Ferrite: None, GlobTek Cool Gray (Pantone #11C), GT Cord # C2338, Blades/Input Cord: (Order Separately), Approvals:	
Model No. GT-41131-3015-3.0	
Part No./Ordering No. WR9QE2500LCP-N(RV)	Rev C

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://www.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
C	Add approvals: CCC, Ukraine, VCCI, TUV PSE, LPS, Rohs 2, change from UL 3RU5 to 4MU8	QA	08/21/2015	QA

POWER SUPPLY INFORMATION

TYPE	Wall Plug-in
TECHNOLOGY	Regulated Switchmode AC-DC Power Supply AC Adaptor
CASE COLOR	GlobTek Cool Gray (Pantone#11C)
NAMEPLATE RATED INPUT	100-240V~, 50-60 Hz, 1.0A
INPUT CONFIG	Interchangeable Blades
WATTS	30.00
VOLTS OUT	12.0
CURRENT OUT (Amps)	2.5
BLADE/CORD INCLUDED	None (Order Separately)
BLADE/CORD INSTALLED	None :(Order Separately)
INGRESS PROTECTION	
GROUNDING CONFIGURATION	
EFFICIENCY LEVEL	V
OUTPUT CONFIGURATION	1530 mm, 18/1C + Shield Cond, UL 1185, Female Barrel 5.5 * 2.5 * 11mm No internal Spring Clip nor Locking Notch or Equal, Ferrite: None, GlobTek Cool Gray (Pantone #11C), GT Cord # C2338
OVERMOLDED	Yes
OUTPUT CONNECTOR GENDER	Female
CONNECTOR PIN OUT	Center Positive (+V), symbol compliant with IEC 60417 symbol no. 5926
LABEL SPECS	Standard GT,L-1186
SPECIAL BARCODE LABEL MATERIAL	No
PACK SPEC	Standard WPI, Individually Box
USER MANUAL	

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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. IInput Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at the output connector
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 at nominal line
06. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Sec, typical
08. Hold-Up Time: 8 mS typical at nominal input voltage and full load
09. Inrush Current: 30A typical at 115VAC input and 60A typical at 230 VAC input
10. Switching Frequency: 65 KHz typical

B) PROTECTION
01. Over-Voltage: Protected Zener clamp across the output
02. Short Circuit: 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. Touch Current: <0.25mA @ 240Vac input voltage

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: 57.0 x 89.2 x 35.9 mm +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

TO ADDRESS SYSTEM-LEVEL EMI CONCERNS, FERRITE CHOKES/BEADS MAY BE ADDED/REVISED UPON REQUEST. A SAMPLE KIT OF GLOBTEK'S STANDARD FERRITES IS AVAILABLE UNDER GLOBTEK P/N: EMI-MITIGATION-KIT1

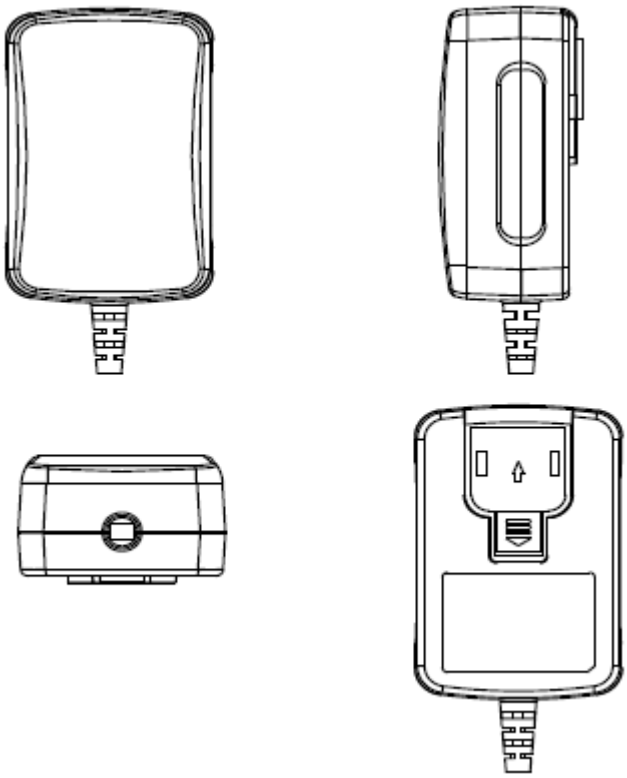
FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT: https://r.globtek.info/3QeaqtD

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Mechanical drawing



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Part No./Ordering No. WR9QE2500LCP-N(RV)	Rev C

INPUT CONFIGURATION

Alternate grounding configurations available upon request.

Blades/Cord Included:None:(Order Separately)

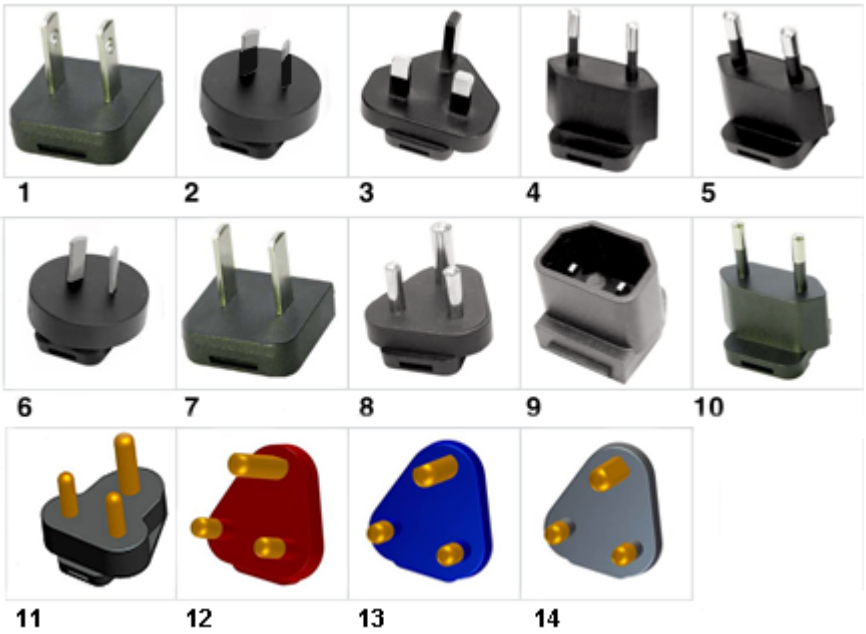
Blades/Cord Installed:None:(Order Separately)

Q Blades (Interchangeable)
Blade Options for Q Series Wall Plug-in Power Supplies

Data Sheet: http://en.globtek.com/interchangeable-blades.php

Insertion Instructions: http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf

Video: Q-Blade Style Instruction Video



INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

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01. United States / Canada / Japan NEMA 1-15P/ IEC PLUG Type A [WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade/ IEC TYPE I, Class II; AU P/N: Q-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground/ IEC TYPE G, Class II; GB P/N: Q-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins/ IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N:Q-CN(R)
08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
09. IEC60320/C18 Inlet, Class II; P/N: Q-C18(R)
10. Brazilian NBR6147 configuration: 2 pins, Class II;SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
11. South Africa SABS164-1 and India IS 1293, IS694, 16A type plug, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0º, Class II + dummy ground, IEC TYPE M Red, P/N:
Q-SANS164-4C-16A(R)
13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53º, Class II + dummy ground, Blue, IEC TYPE M, P/N:
Q-SANS164-4L-16A(R)
14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53º, Class II + dummy ground, Black,IEC TYPE M P/N:
Q-SANS164-4R-16A(R)

Kits

01. Q-KIT: 1,2,3,4 above
02. Q-KIT-INTL: 2,3,4 above
03. Q-KIT-6: 1,2,3,4,5,6 above
04. Q-KIT-7: 1,2,3,4,5,6,7 above
05. Q-KIT-8: 1,2,3,4,5,6,7,8 above

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Part No./Ordering No. WR9QE2500LCP-N(RV)	Rev C

OUTPUT CORD AND CONNECTOR: LC/C2338

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

CABLE TYPE	UL 1185
CABLE LENGTH (mm)	1530
CABLE TOLERANCE (mm)	+150/-0
WIRE GAUGE (AWG)	18
CONDUCTORS	1C + Shield
HANK DIMENSION (mm)	80+10/ -10
CABLE / CONNECTOR OVERMOLD COLOR	GlobTek Cool Gray (Pantone #11C)
FERRITE TYPE AND DIMENSION	None
FERRITE NUMBER OF TURNS(Definition)	N/A
FERRITE DIMENSION FROM STRAIN RELIEF	N/A
FERRITE DIMENSION FROM PLUG	N/A
PLUG TYPE	Female Barrel 5.5 * 2.5 * 11mm No internal Spring Clip nor Locking Notch or Equal
OUTPUT CONNECTOR GENDER	Female
OVERMOLDED	Yes
OVER MOLD ORIENTATION	Straight
CONNECTOR PIN OUT	Center Positive (+V), symbol compliant with IEC 60417 symbol no. 5926



ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT https://www.globtek.com/en/connectors
STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT https://www.globtek.com/en/connectors
CALCULATE VOLTAGE REGULATION/DROP WITH OUR ONLINE CALCULATOR: https://www.globtek.com/r2/PtqjjL

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OUTPUT CONNECTOR HOOK UP

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FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT:
https://www.globtek.com/en/technical-articles/ferrite-kit-radiated-emi-suppression-kit-for-globtek-power-supplies-cable-assemblies

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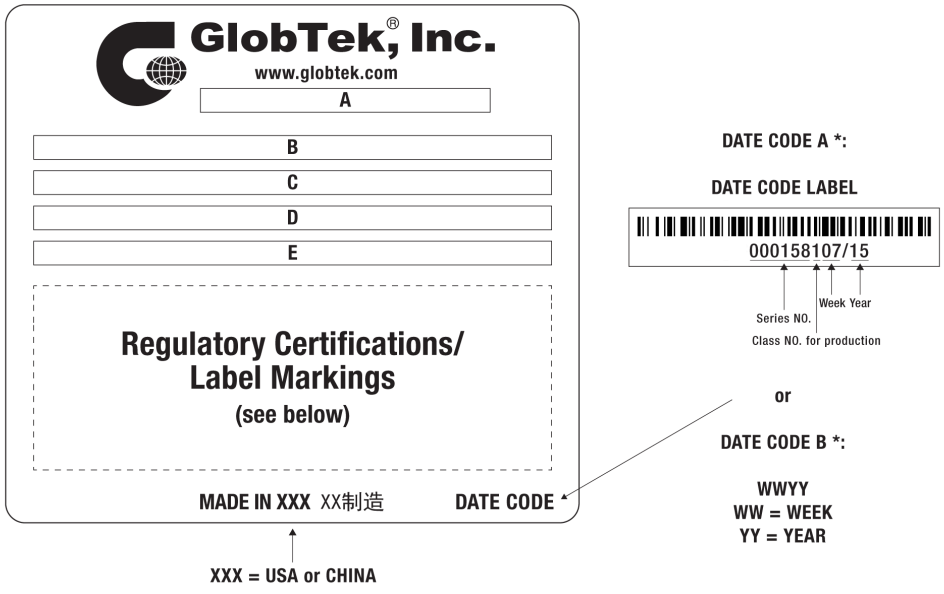
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Part No./Ordering No. WR9QE2500LCP-N(RV)	Rev C

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)	42.0
LABEL HEIGHT (mm)	29.6
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) WR9QE2500LCP-N(RV)
C=Model (型号) GT-41131-3015-3.0
D=Input (输入)100-240V~, 50-60 Hz, 1.0A
E=Output (输出)12.0 V ⎓ 2.5 A, 30.00W

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AGENCY ONLINE DOCUMENTS	http://www.globtek.info/certs/GT-41131%20Interchangeable/
CE EC-Declaration for Medical	Contact GlobTek for more information
CE EC-Declaration for Industrial/Commercial/ITE	https://cs.globtek.info/ec_declaration_product?id=01t30000002p9f0&i=4
CE EC-Declaration for Household	Contact GlobTek for more information
UKCA-Declaration for Medical	Contact GlobTek for more information
UKCA-Declaration for Industrial/Commercial/ITE	https://cs.globtek.info/ukca_declaration_product?id=01t30000002p9f0&i=4
UKCA-Declaration for Household	Contact GlobTek for more information
Morocco SDoC Declaration	https://cs.globtek.info/Morocco_SDoC_Declaration?id=a0O30000007P7YWEA0
RoHS/RoHS3 Declaration	https://www.globtek.com/pdf/rohs_cert/01t30000002p9f0AAA
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf
Prop 65 Statement	https://www.globtek.com/prop-65-statement.pdf

IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.

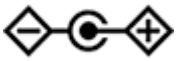
Regulatory Certifications/Label Markings

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:	https://www.globtek.com/ds/nyfmCvSMuWG/AqiirEA3KKN.html
AGENCY ONLINE DOCUMENTS	http://www.globtek.info/certs/GT-41131%20Interchangeable/





Center Positive (+V), symbol compliant with IEC 60417 symbol no. 5926

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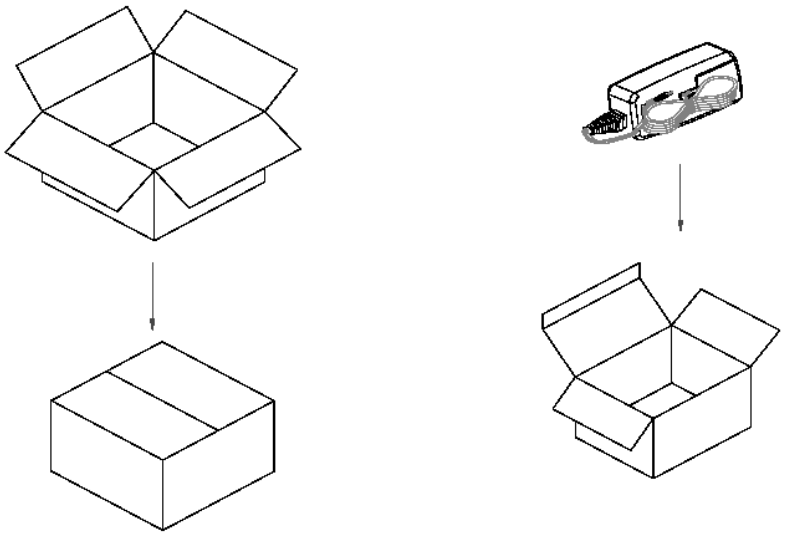
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PACKAGING

Packing Spec P/N	Standard WPI, Individually Box
Packing Quantity/Multiple/MPQ	60
Gift Box Size (mm)	117*59*82
Gift Box Color	White
Master Carton Size (mm)	378 x 323 x 360
Master Carton Cubic Volume (m^3)	0.04
Master GW (Kg)	15.6 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.

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INSTRUCTION SHEET

Q Blades Instruction Sheet (not required to be packaged with product)

Insertion Instructions: http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf

This manual is Provided to customer within the product specification - it is the responsibility of the OEM/customer to provide the end system user instructions + warnings for the use of this product in the end system. By accepting this specification the customer/OEM Agrees to these terms.

USER MANUAL FOR Q-BLADE SERIES SWITCHING POWER SUPPLIES

Manual del Usuario. Fuentes de Alimentación Series Q-Blade

WARNING! RISK OF FIRE! SHOCK HAZARD!: To prevent electric shock, do not remove the cover. No user-serviceable parts inside. This unit contains hazardous voltages and should only be opened by a trained and qualified technician. Do not use if bent, cracked, modifed or compromised. To avoid the possibility of electric shock, disconnect electric power to the product before connecting or disconnecting.

Advertencia! Riesgo de Fuego! Peligro de Choque eléctrico! No contiene dentro componentes servibles para el usuario. Desconecte el cable de alimentación antes de quitar la cubierta.

INDOOR USE ONLY!

Únicamente para uso en el interior.

POWER SUPPLY BLADE/CORD: AC Mains voltage should be provided to the power supply by a power supply cords approved to the national standards in which it will be used. Please use the below table as a guideline for Suitable Power cords.

CABLE DE ALIMENTACIÓN: El voltaje de la CA debe proporcionarse a la fuente de alimentación mediante los cables de alimentación aprobados conforme a las normas nacionales según las cuales será utilizada. Utilice por favor la tabla mencionada aquí abajo como guía para los cables eléctricos adecuados.

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1. Class II model NEMA 1-15P AC power plug with 2 prongs, Q-NA(R)
2. Australian AS 3112 configuration: SAA 2 pins Class II, Q-SAA(R)
3. UK BS 1363 configuration: UK 2 pins Class II, Q-UK(R)
4. European CEE 7/16 configuration: Europlug 2 PINS, Class II, Q-EU(R)
5. Korean KS C8305 configuration: Q-KR(R)
6. Argentina IRAM 2073 configuration: 2 pins, Class II Q-AR(R)
7. China GR 2099 configuration: 2 pins, Class II Q-CN(R)
8. India configuration: 2 pins, Class II, Q-IN(R)
9. IEC320/C18 Inlet

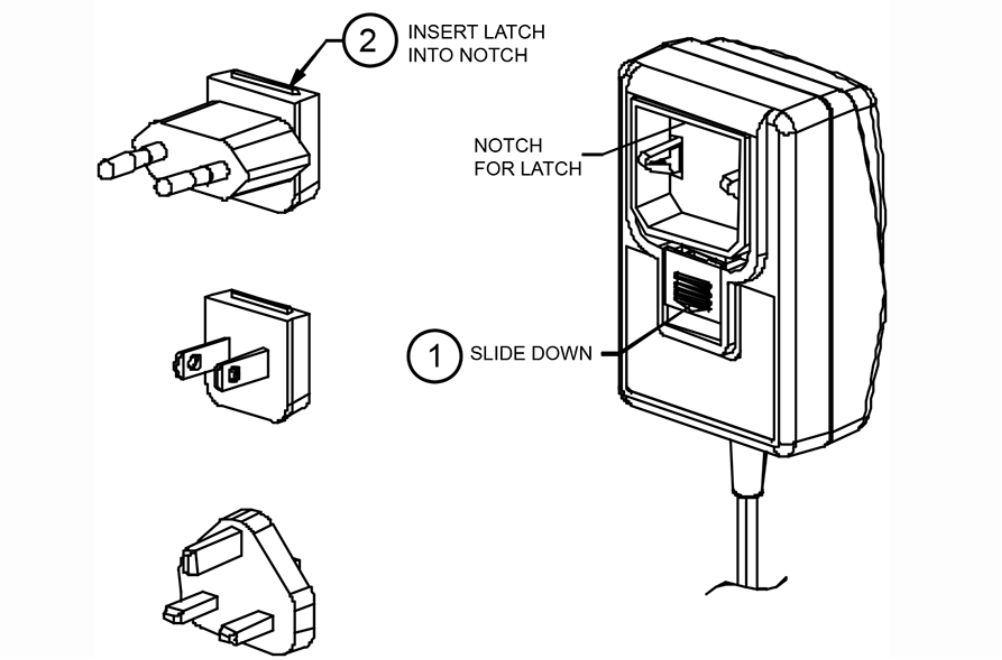
FUSING: Internal fuse for Line is provided in the power supply. A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by GlobTek, Inc. authorized personnel. Fuses must be replaced with same type and ratings per GlobTek internal documentation.

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FUSIBLES: La fuente de alimentación provee un fusible interno para la línea. Un fusible interno quemado es un indicador de una falla catastrófica de los componentes del circuito. La reparación debe ser hecha por personal autorizado de GlobTek, Inc. Los fusibles se deben reemplazar por los mismos tipos y rangos que la documentación interna de GlobTek mencione.



This symbol on an instrument indicates that the user should refer to the operating instructions located in the manual.

Please note:

The blades shown above are for representation of the installation process and do not indicate which AC blades are included with this power supply. Please reference the specifications “Power Supply Information” (page 2) and “Input Configuration (page 6) for information regarding the actual blade included with this power supply, if any.

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Fax (201) 784-0111

Drawing Title: GT-41131-3015-3.0, ICT/ITE Power Supply, Efficiency Level: V, Case Color/Style: GlobTek Cool Gray (Pantone#11C), Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php, Output Rating: 30.00W, 12.0V@2.5A, Pin Out: Center Positive (+V), symbol compliant with IEC 60417 symbol no. 5926, Output Configuration: 1530 mm, 18/1C + Shield Cond, UL 1185, Female Barrel 5.5 * 2.5 * 11mm No internal Spring Clip nor Locking Notch or Equal, Ferrite: None, GlobTek Cool Gray (Pantone #11C), GT Cord # C2338, Blades/Input Cord: (Order Separately), Approvals:	
Model No. GT-41131-3015-3.0	
Part No./Ordering No. WR9QE2500LCP-N(RV)	Rev C

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