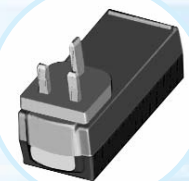




ISO 9001:2008
REGISTERED



GT-91099-XXXX-W2



**60 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro., UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 302)
Output Plug/Cord Options (See Page 271)
Medical Models (See Page 110)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

90-264 VAC

INPUT CURRENT:

<1.5 A RMS MAX

INPUT FREQUENCY:

47 - 63 HZ

OUTPUT VOLTAGE:

12-24 VDC, NO LOAD TO FULL LOAD, NO MINIMUM
LOAD REQUIRED

OUTPUT CURRENT:

2.5-5 A

OUTPUT POWER (RATED):

60 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):

+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH
0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE END
OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION:

+ 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P
CONNECTOR AT NOMINAL LINE

LINE REGULATION:

+2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:

5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50%
STEP LOAD

TURN-ON DELAY:

2 SEC MAX AT FULL LOAD

HOLD-UP TIME:

8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

40 A MAX AT COLD START 120 VAC, 60A MAX COLD
START 230VAC

SWITCHING FREQUENCY:

100 KHz TYPICAL

OVER-VOLTAGE PROTECTION:

PROTECTED, HICCUP WITH AUTO RECOVERY

OVER-LOAD:

PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:

PROTECTED, HICCUP WITH AUTO RECOVERY

EFFICIENCY:

COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE
AND SECURITY ACT (EISA) 80% TYPICAL AT NOMINAL LINE

NO LOAD POWER CONSUMPTION:

MEETS CEC/EISA LEVEL IV, 115 VAC

OUTPUT INDICATOR:

GREEN LED FOR OUTPUT PRESENT

OTHER PROTECTION:

INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS (PENDING):

UL60950-1, CUL TO 22.2 # 950, INNOVA GS TO EN60950-1, CE,
CB REPORT, C-TICK TO AS/NZ 60950-1 EK TO K60950-1

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:

< 0.3 mAAT 240 VAC

EMI:

COMPLIES WITH EN55022 CLASS B, VCCI AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2 ,
EN61000-3-3, INCLUDING EN61000-4-2, EN61000-4-3,
EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8,
EN61000-4-11

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91099-6012	+12.0	0 - 5.0	0 - 60
GT-91099-6015-B.B	+15.0	0 - 4.0	0 - 60
GT-91099-6018-B.B	+18.0	0 - 3.3	0 - 60
GT-91099-6019-B.B	+19.0	0 - 3.16	0 - 60
GT-91099-6020-B.B	+20.0	0 - 3.0	0 - 60
GT-91099-6022-B.B	+22.0	0 - 2.7	0 - 60
GT-91099-6024-B.B	+24.0	0 - 2.5	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



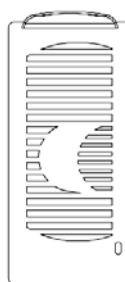
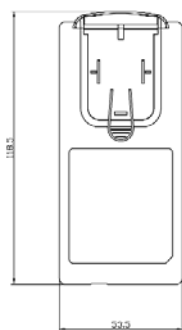
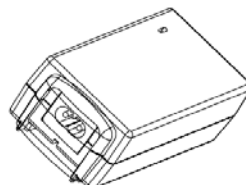
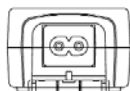
**60 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro., UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 302)
Output Plug/Cord Options (See Page 271)
Medical Models (See Page 110)

ENCLOSURE:

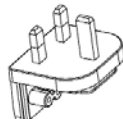
HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 118.5 x 53.5 x 34.2 + 1 mm

SHIPS WITHOUT
AC PINS INSTALLED



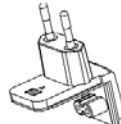
UL 2P

P/N: R-NA-2(R)
NORTH AMERICA
CHINA
JAPAN



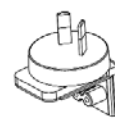
UK 2P

P/N: R-UK-2(R)
UNITED KINGDOM
HONG KONG
SINGAPORE



EU 2P

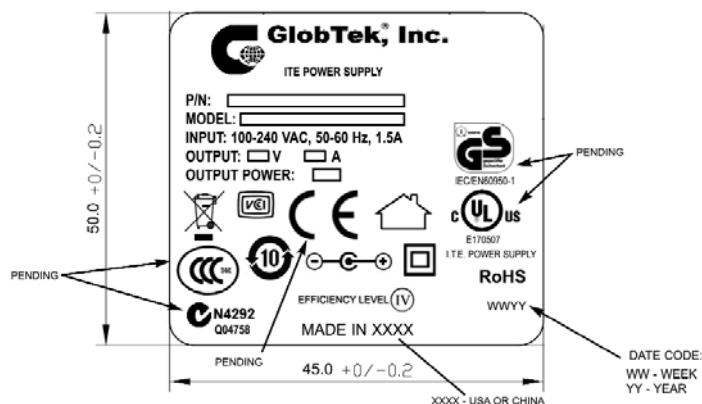
P/N: R-EU-2(R)
EUROPE
SOUTH AMERICA



AUS 2P

P/N: R-SAA-2(R)
AUSTRALIA

OUTPUT CORD:
1 CONDUCTOR+SHIELD,
18 AWG STRANDED WIRE,
ROUND UL# 1185,
COLOR BLACK,
LENGTH (L) OF CORD:
1830 +150, -0 MM.
CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.
CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
CABLE HAS MOLDED INLINE
FERRITE (OPTIONAL).



INPUT CONNECTORS OPTIONS		INPUT CONNECTOR
PINS OR KITS MUST BE ORDERED SEPARATELY		R-KIT-2(R)
1	CLASS II MODEL NEMA 1-15P AC POWER PLUG WITH 2 PRONGS, R-NA-2(R)	X
2	AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II, R-SAA-2(R)	X
3	UK CONFIGURATION: UK 2 PINS CLASS II, R-UK-2(R)	X
4	EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II, R-EU-2(R)	X



ISO 9001:2008
REGISTERED

GT-91099-XXXX-W3



**60 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro., UK, SAA Universal Input, ITE, Class I, Level V**

Part Number Ordering System (See Page 302)
Output Plug/Cord Options (See Page 271)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264 VAC

INPUT CURRENT:
<1.5 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
12-24 VDC, NO LOAD TO FULL LOAD, NO MINIMUM
LOAD REQUIRED

OUTPUT CURRENT:
2.5-5 A

OUTPUT POWER (RATED):
60 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH
0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE END
OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION:
+ 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P
CONNECTOR AT NOMINAL LINE

LINE REGULATION:
+2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
5% MAX 500µs MAX RECOVERY TIME FOR 25% TO 50%
STEP LOAD

TURN-ON DELAY:
2 SEC MAX AT FULL LOAD

HOLD-UP TIME:
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
40 A MAX AT COLD START 120 VAC, 60A MAX COLD
START 230VAC

SWITCHING FREQUENCY:
100 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, HICCUP WITH AUTO RECOVERY

OVER-LOAD:
PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:
PROTECTED, HICCUP WITH AUTO RECOVERY

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE
AND SECURITY ACT (EISA) 80% TYPICAL AT NOMINAL LINE

NO LOAD POWER CONSUMPTION:
MEETS CEC/EISA LEVEL IV, 115 VAC

OUTPUT INDICATOR:
GREEN LED FOR OUTPUT PRESENT

OTHER PROTECTION:
INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS (PENDING):
UL60950-1, CUL TO 22.2 # 950, INNOVA GS TO EN60950-1, CE,
CB REPORT, C-TICK TO AS/NZ 60950-1 EK TO K60950-1

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.3 mAAT 240 VAC

EMI:
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CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:
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EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8,
EN61000-4-11

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91099-6012	+12.0	0 - 5.0	0 - 60
GT-91099-6015-B.B	+15.0	0 - 4.0	0 - 60
GT-91099-6018-B.B	+18.0	0 - 3.3	0 - 60
GT-91099-6019-B.B	+19.0	0 - 3.16	0 - 60
GT-91099-6020-B.B	+20.0	0 - 3.0	0 - 60
GT-91099-6022-B.B	+22.0	0 - 2.7	0 - 60
GT-91099-6024-B.B	+24.0	0 - 2.5	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



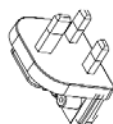
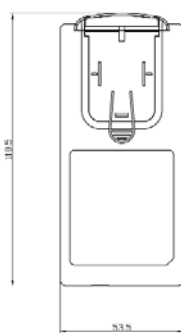
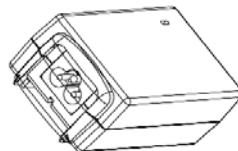
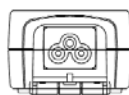
**60 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro., UK, SAA Universal Input, ITE, Class I, Level V**

Part Number Ordering System (See Page 302)
Output Plug/Cord Options (See Page 271)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 118.5 x 53.5 x 34.2 + 1 mm

SHIPS WITHOUT
AC PINS INSTALLED



UL 3P

P/N: R-NA-3(R)
NORTH AMERICA
CHINA
JAPAN

UK 3P

P/N: R-UK-3(R)
UNITED KINGDOM
HONG KONG
SINGAPORE

EU 3P

P/N: R-EU-3(R)
EUROPE
SOUTH AMERICA

AUS 3P

P/N: R-SAA-3(R)
AUSTRALIA

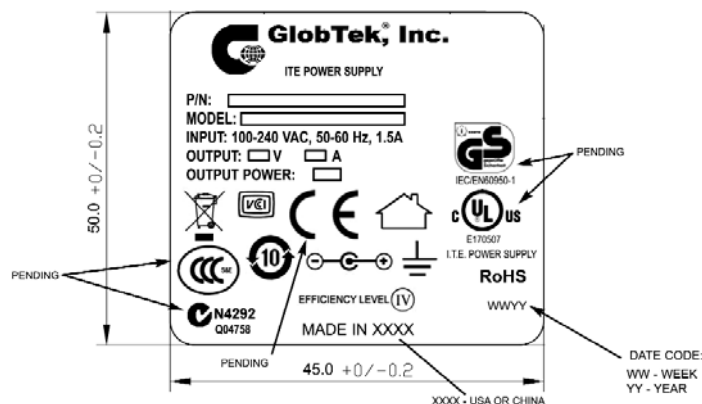
OUTPUT CORD:

1 CONDUCTOR+SHIELD,
18 AWG STRANDED WIRE,
ROUND UL# 1185,
COLOR BLACK,
LENGTH (L) OF CORD:
1830 +150, -0 MM.

CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.

CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

CABLE HAS MOLDED INLINE
FERRITE (OPTIONAL).



INPUT CONNECTORS OPTIONS		INPUT CONNECTOR
PINS OR KITS MUST BE ORDERED SEPARATELY		R-KIT-3(R)
1	CLASS I MODEL NEMA 1-15P AC POWER PLUG WITH 3 PRONGS, R-NA-3(R)	X
2	AUSTRALIAN CONFIGURATION: SAA 3 PINS CLASS I, R-SAA-3(R)	X
3	UK CONFIGURATION: UK 3 PINS CLASS I, R-UK-3(R)	X
4	EUROPEAN CONFIGURATION: EUROPLUG 3 PINS, CLASS I, R-EU-3(R)	X

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.