



ISO 9001:2000
REGISTERED

GT-41069P90YY-X-T3



**90 Watts, 12 - 24V Single Output, Desktop,
Switching Power Supply, Universal Input, ITE**



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

90 VAC TO 264 VAC

INPUT CURRENT:

< 1.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT VOLTAGE:

12V to 24V VDC

OUTPUT CURRENT:

6.5A MAXIMUM, DEPENDING ON OUTPUT VOLTAGE.

NO MINIMUM LOAD REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):

90 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

+/-1% OR 50 mV WHICHEVER IS GREATER OF NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 1.0 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

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

HOLD-UP TIME:

8.0 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

TURN ON TIME:

< 3 S @115 V INPUT AT FULL LOAD

INRUSH CURRENT:

80 A MAX AT COLD START FOR N.A. (120A FOR EURO)

EFFICIENCY:

85% MINIMUM (CEC/EISA COMPLIANT)

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

OVER-CURRENT/SHORT CIRCUIT:

PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

OTHER PROTECTION:

INPUT FUSING

POWER FACTOR:

0.90 MIN. AT FULL LOAD 230V INPUT

NO LOAD POWER CONSUMPTION:

0.5W MAXIMUM (CEC/EISA COMPLIANT)

SAFETY APPROVALS:

UL60950-1(PENDING) , CUL TO CSA 22.2# 60950-1(PENDING), SIQ TO EN60950-1, EN60065-1(PENDING), PSE TO J60950(PENDING), CB REPORT TO 60950-1, 60065-1(PENDING), CE(PENDING), C-TICK(PENDING), AS/NZ 60950(PENDING), PSE TO J60950, CCC TO GB4943-2001(PENDING)

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:

< 250 µA AT 240 VAC

EARTH GROUND CONNECTION:

SECONDARY COMMON INTERNALLY CONNECTED TO EARTH GROUND

EMI:

COMPLIES WITH EN55022, EN55011, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN55024, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61004-8, EN61000-4-11

EFFICIENCY:

COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA), COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE), 12V WITH 1000 mm CABLE ONLY

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

ALTITUDE:

10,000' (OPERATING), 40,000' (NON-OPERATING)

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

WEIGHT:

492 g

WARRANTY:

5 YEARS

RoHS:

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

NOTES:

1. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATED RANGE AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 30V IN 0.1V INCREMENTS.
3. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACT X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41069P9012-T3	+12.0	0 - 6.5	0 - 78
GT-41069P9016-T3	+16V.0	0 - 5.2	0 - 83.2
GT-41069P9019-T3	+19.0	0 - 4.7	0 - 89
GT-41069P9024-T3	+24.0	0 - 3.7	0 - 89
GT-41069P9027-T3	+27.0	0 - 3.3	0 - 89
GT-41069P9030-T3	+30.0	0 - 3.0	0 - 89

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



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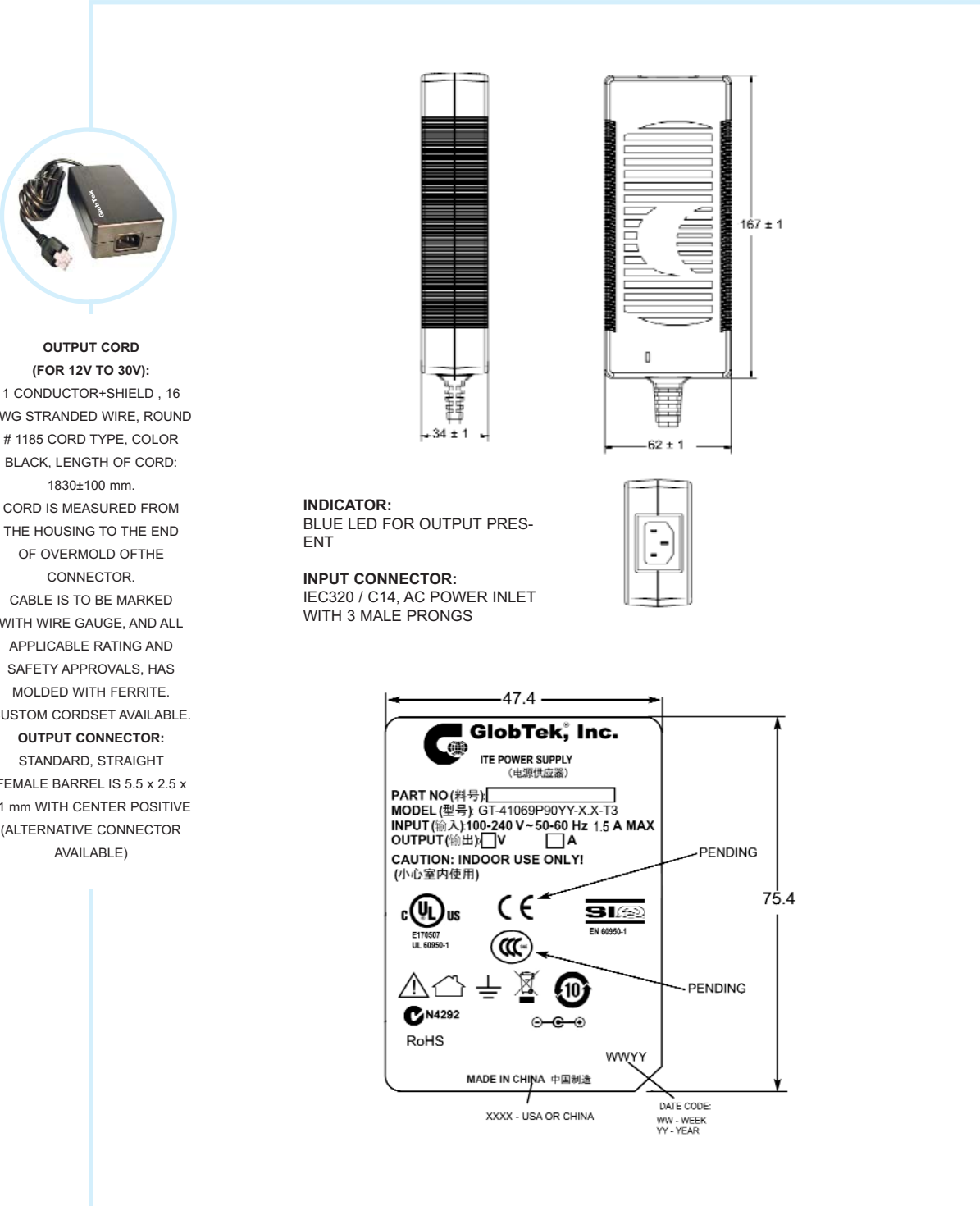


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ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 167.0 x 62.0 x 34.0 + 1 mm



OUTPUT CORD

(FOR 12V TO 30V):

1 CONDUCTOR+SHIELD , 16 AWG STRANDED WIRE, ROUND # 1185 CORD TYPE, COLOR BLACK, LENGTH OF CORD: 1830±100 mm.

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

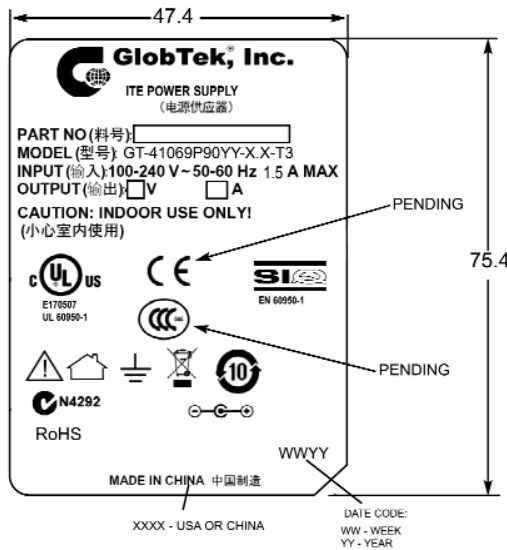
CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS, HAS MOLDED WITH FERRITE. CUSTOM CORDSET AVAILABLE.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE BARREL IS 5.5 x 2.5 x 11 mm WITH CENTER POSITIVE (ALTERNATIVE CONNECTOR AVAILABLE)

INDICATOR: BLUE LED FOR OUTPUT PRESENT

INPUT CONNECTOR: IEC320 / C14, AC POWER INLET WITH 3 MALE PRONGS



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