



ISO 9001:2008
REGISTERED



**250 Watts, Universal Input,
Single Output Switchers**

Medical Versions (See Page 164)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
4.0 MAXIMUM

INPUT FREQUENCY RANGE:
47HZ TO 63HZ

INRUSH CURRENT:
30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:
+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:
+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:
MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:
HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:
POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:
78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:
25mS MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:
100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:
LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:
-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:
+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:
LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:
PRIMARY TO SECONDARY: 4242VDC
PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:
LINE FUSING FOR ITE GRADE

SAFETY AGENCY APPROVALS: (PENDING)
EN60950, UL60950, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:
CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREDIENTS OF WATER:
IPX0

MODE OF OPERATION:
CONTINUOUS

**OUTPUT VOLTAGE / CURRENT:
250 WATTS MODELS, WITH SIDE BUILT-IN FANS**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9250P1203.3F- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 36.36	0 - 120
GT-9250P1505.0-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 30.00	0 - 150
GT-9250P2007.5-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 24.00	0 - 200
GT-9250P2009.0-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 22.00	0 - 200
GT-9250P25012-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 20.83	0 - 250
GT-9250P25015-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 16.66	0 - 250
GT-9250P25018-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 13.88	0 - 250
GT-9250P25024-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 10.41	0 - 250
GT-9250P25036-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 6.94	0 - 250
GT-9250P25048-X.XF- [S or M or H1XXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 5.21	0 - 250



CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

WEIGHT:
25 LB MAXIMUM

MTBF MIL-HDBK-217F:
200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P1203.3 TO 25048-X.X
GT: GLOBTEK SERIES CODE
M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE
9250P: SERIES DESIGNATOR
1203.3 TO 25048: 120W 3.3V TO 250W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE
-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL
BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE
EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL: GTM9250P25012-2.0
-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES
F-: FAN CONTROL OPTION; ADD "F" IF FAN CONTROL IS DESIRED.
S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK
M: INPUT AND OUTPUT HEADER ON BOARD
HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.
HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.
HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm .
HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.

NOTE:

DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAILABLE ONLY FROM 15V TO 48V OUTPUTS.

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

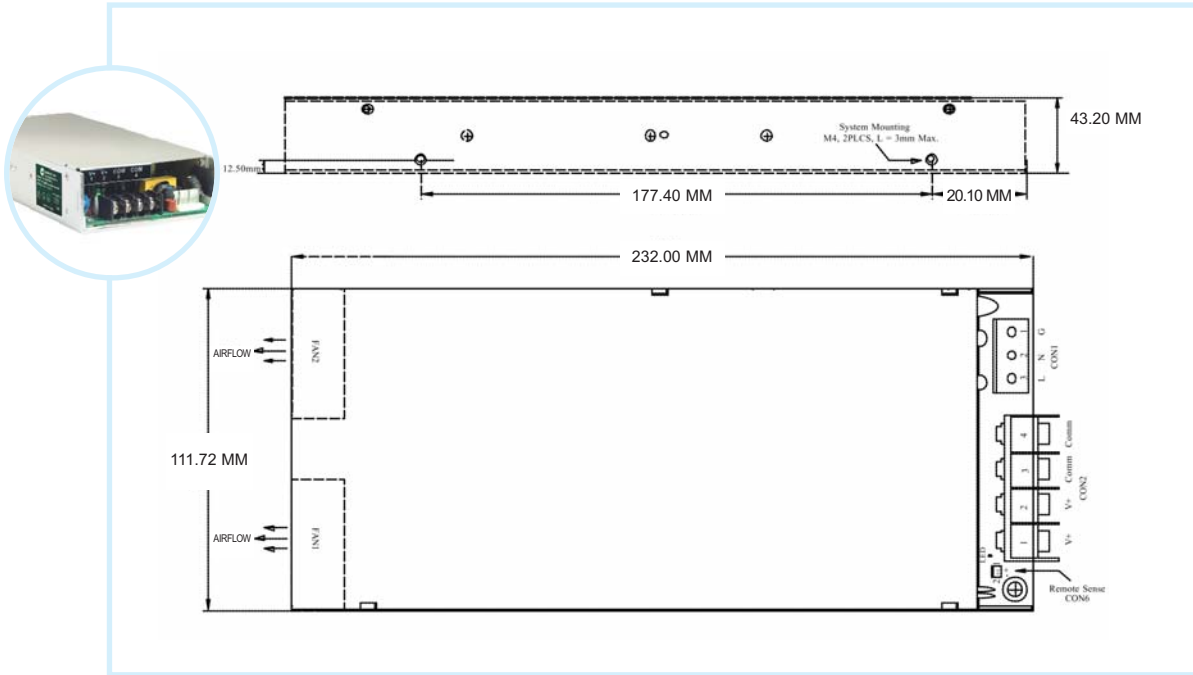


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FOR INDOOR USE ONLY

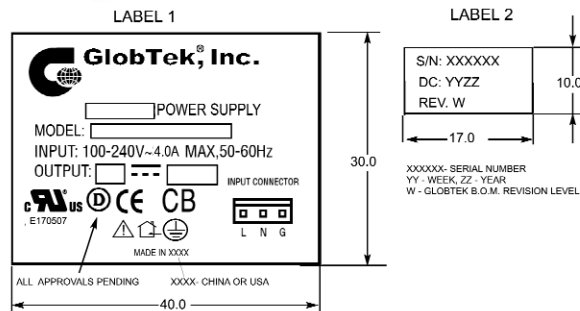


ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN ABOVE.



- INPUT:**
- 3 PIN MOLEX FRICTION LOCK HEADER
 - MOLEX PN: 26-60-4050 WITH PIN 2 + 4 REMOVED MATES
 - WITH PN: 09-50-3051
 - PIN 1: GROUND
 - PIN 3: AC NEUTRAL
 - PIN 5: AC LINE
- OUTPUT:**
- 4 PIN TERMINAL BLOCK
 - PIN 1,2: V+
 - PIN 3,4: COMM
- CON 3: REMOTE SENSE CONNECTOR, MOLEX 22-28-0020
- MATES WITH MOLEX PN: 22-01-2021
- PIN 1: +SENSE; PIN2: -SENSE



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