



ISO 9001:2008
REGISTERED

GT-81081-YYZZ-X.X



**Switching Power Supply, 60 Watt, Single Output,
Family Desktop, Universal Input, ITE Class I & II, Energy Star**

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



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
<1.5 A RMS AT 115 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
60 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
2 SEC MAX

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

INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
84 % MINIMUM

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
ITE MODEL: UL60950-1, CUL TO 22.2# 60950-1, INNOVA GS
EN60950-1, CE CLASS I & II, PSE TO J60950, CCC TO GB4943-
2001, GB9254-1998, GB17625.1-2003, C-TICK TO AS/NZ 60950-1

DIELECTRIC WITHSTAND VOLTAGE:
2121VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY-GROUND

LEAKAGE CURRENT:
≤3.5 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

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

C-TICK:

TESTED TO COMPLY W/RADIO TELECOMMUNICATION ACT
OF 1992.

EFFICIENCY:

COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA),
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA),
CODE OF CONDUCT (EUROPE)

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3,
EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11,
LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE, OPERATING

TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-20°C TO 60° C

HUMIDITY:

5% TO 95% RELATIVE HUMIDITY

WEIGHT:

250 g

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS
DESIGNATION RANGE, AS LONG AS THE OUTPUT
POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 24V
IN 0.1V INCREMENTS.
4. B.B: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING B.B
VOLTS FROM STANDARD OUTPUT VOLTAGE.
5. CDE: T3 FOR IEC 60320/C14 INLET, T3A FOR IEC 60320/C6
INLET.

**OUTPUT VOLTAGE / CURRENT:
60 WATTS MODELS**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81081-6012	+12.0	0 - 5.00	0 - 60
GT-81081-6015-B.B-CDE	+15.0	0 - 4.00	0 - 60
GT-81081-6018-B.B-CDE	+18.0	0 - 3.30	0 - 60
GT-81081-6019-B.B-CDE	+19.0	0 - 3.16	0 - 60
GT-81081-6020-B.B-CDE	+20.0	0 - 3.00	0 - 60
GT-81081-6022-B.B-CDE	+22.0	0 - 2.70	0 - 60
GT-81081-6024-B.B-CDE	+24.0	0 - 2.50	0 - 60

OUTPUT VOLTAGES AVAILABLE IN 0.1V FROM 5-48 VDC.

CDE = T2 = CLASS II INPUT, IEC 60320/C8

T3 = CLASS I, IEC 60320/C14

T3A = CLASS I, IEC 60320/C6

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



ENCLOSURE

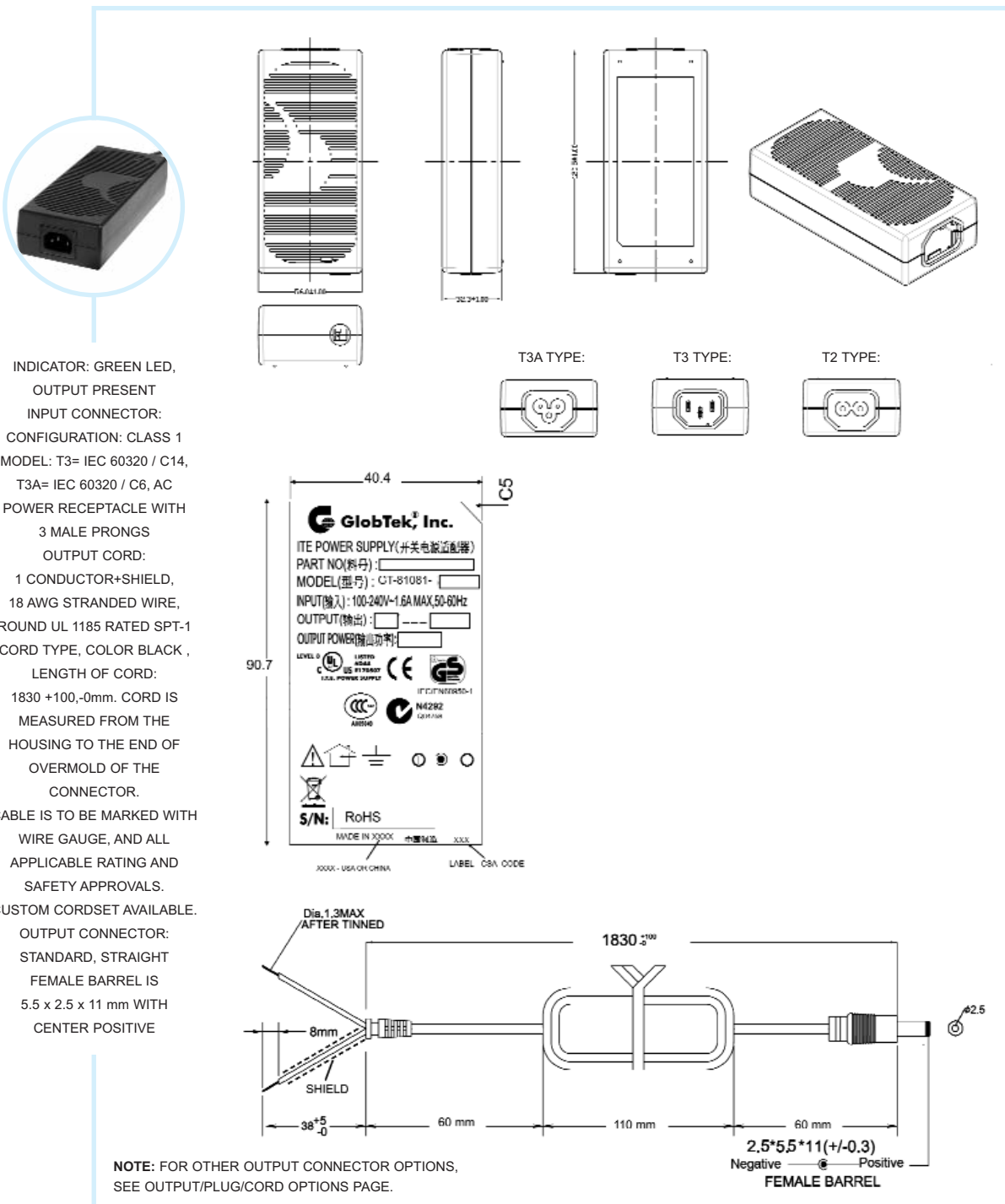
CONFIGURATION:

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK

SIZE: 120.5(L) x 56.0(W) x 32.3(H) + 1 mm

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