



ISO 9001:2000  
REGISTERED

## GT-21131 SERIES-72W

### 72 Watts, Switchmode Power Supply, Single Output, Family Desktop, Universal Input, ITE Class I

Part Number Ordering System (See Page 224)  
Output Plug/Cord Options (See Page 189)

INDOOR USE ONLY

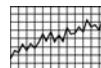
#### ELECTRICAL SPECIFICATIONS:

**INPUT VOLTAGE:**  
90 VAC TO 264 VAC  
**INPUT CURRENT:**  
≤ 1.6 A RMS AT 90 VAC INPUT  
**INPUT FREQUENCY:**  
47 HZ - 63 HZ  
**OUTPUT CURRENT:**  
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED  
**OUTPUT POWER (RATED):**  
72 WATTS MAX  
**OUTPUT RIPPLE (PEAK TO PEAK):**  
≤ LESSOR OF 1% OR 100mV  
**OUTPUT REGULATION (LINE/LOAD):**  
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR  
**LINE REGULATION:**  
+ 0.5 % MAX AT FULL LOAD  
**TURN ON/ TURN OFF OVERTHOOT:**  
4% MAX; 500uS MAX RECOVERY TIME FOR 25% STEP LOAD  
**TURN-ON DELAY:**  
1 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:**  
75 % TYPICAL  
**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:**  
UL60950, CUL TO 22.2# 950, TUV TO EN60950, PSE TO J60950  
CE CLASS I



**DIELECTRIC WITHSTAND VOLTAGE:**  
1500VAC 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  
**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 50,000 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

- NOTES:**
1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
  2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 24V IN 0.1V INCREMENTS.
  3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "I" FOR ELECTRICAL  
PERFORMANCE CURVES

#### OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER <sup>(2)</sup> (W)
GT-21131-7212			
GT-21131-7219-6.0	+13.0	0 - 5.5	0 - 72
GT-21131-7219-5.2	+13.8	0 - 5.2	0 - 72
GT-21131-7219-5.0	+14.0	0 - 5.1	0 - 72
GT-21131-7219-4.0	+15.0	0 - 4.8	0 - 72
GT-21131-7219-3.0	+16.0	0 - 4.5	0 - 72
GT-21131-7219-2.0	+17.0	0 - 4.2	0 - 72
GT-21131-7219-1.0	+18.0	0 - 4.0	0 - 72
GT-21131-7219-X.X	+19.0	0 - 3.8	0 - 72
GT-21131-7224-4.0	+20.0	0 - 3.6	0 - 72
GT-21131-7224-X.X	+24.0	0 - 3.0	0 - 72

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



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**ENCLOSURES**

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



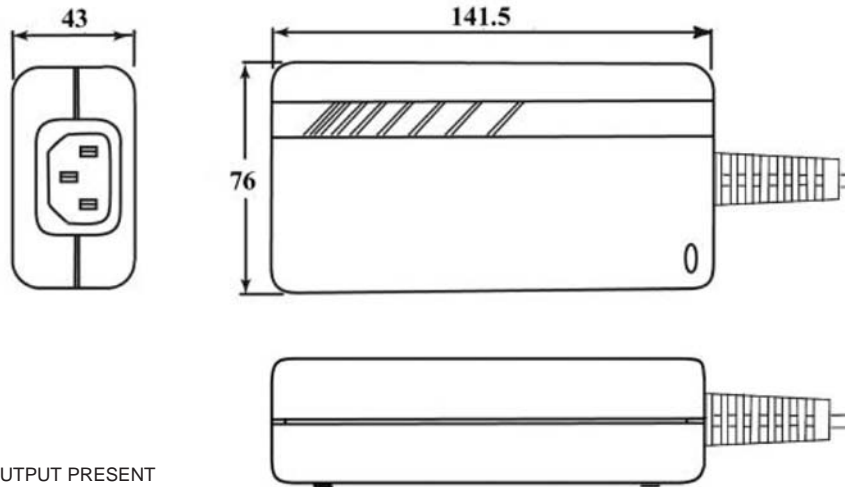
**SIZE:**

141.5 x 76 x 43 ± 1 mm

**INPUT CONNECTOR:**

**CONFIGURATION:**

CLASS 1 MODEL IEC60320 / C14,  
AC POWER RECEPTACLE WITH 3  
MALE PINS. GROUND PIN  
CONNECTED INTERNALLY TO  
DC COMMON



**INDICATOR:**

GREEN LED, OUTPUT PRESENT

