

**0-90 Watts, DC/DC Desktop Switchmode Power Supply,  
Single Output Family 32-48 VDC Input, ITE**Part Number Ordering System (See Page 302)  
Output Plug/Cord Options (See Page 271)**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE:**

32-48 VDC

**INPUT CURRENT:**

&lt; 3.0A (R.M.S.)

**OUTPUT CURRENT:**

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

**OUTPUT POWER (RATED):**

90 WATTS MAX

**OUTPUT RIPPLE (PEAK TO PEAK):**

1% TYPICAL

**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 OVERSHOOT:**

4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP 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 (PENDING):**ITE MODEL: UL60950, CUL TO 22.2 # 950, TUV GS EN60950  
EMI: COMPLIES WITH EN55022 , CLASS B AND  
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE  
LOAD, BOTH CONDUCTED AND RADIATED  
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.**MTBF:**GREATER THAN 200,000 HOURS AT 25°C AMBIENT  
TEMPERATURE**OPERATING TEMPERATURE:**

0°C TO 40° C

**STORAGE TEMPERATURE:**

-40°C TO 80° C

**HUMIDITY:**

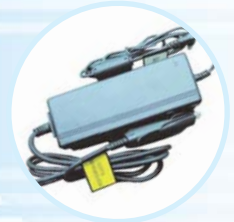
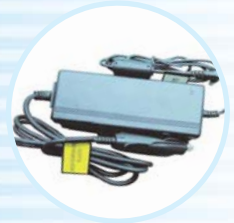
0% TO 90% RELATIVE HUMIDITY

**WEIGHT:**

450 g

**NOTES:**

1. -: ITE MODEL OR (M): MEDICAL 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 3.3V UP TO 48V IN 0.1V INCREMENTS.
4. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD28001-9032	+ 32.0	0 - 2.8	0 - 90
GTD28001-9036	+ 36.0	0 - 2.5	0 - 90
GTD28001-9040	+ 40.0	0 - 2.25	0 - 90
GTD28001-9048	+ 48.0	0 - 1.87	0 - 90

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



ISO 9001:2000  
REGISTERED

GTD28001 SERIES-90W



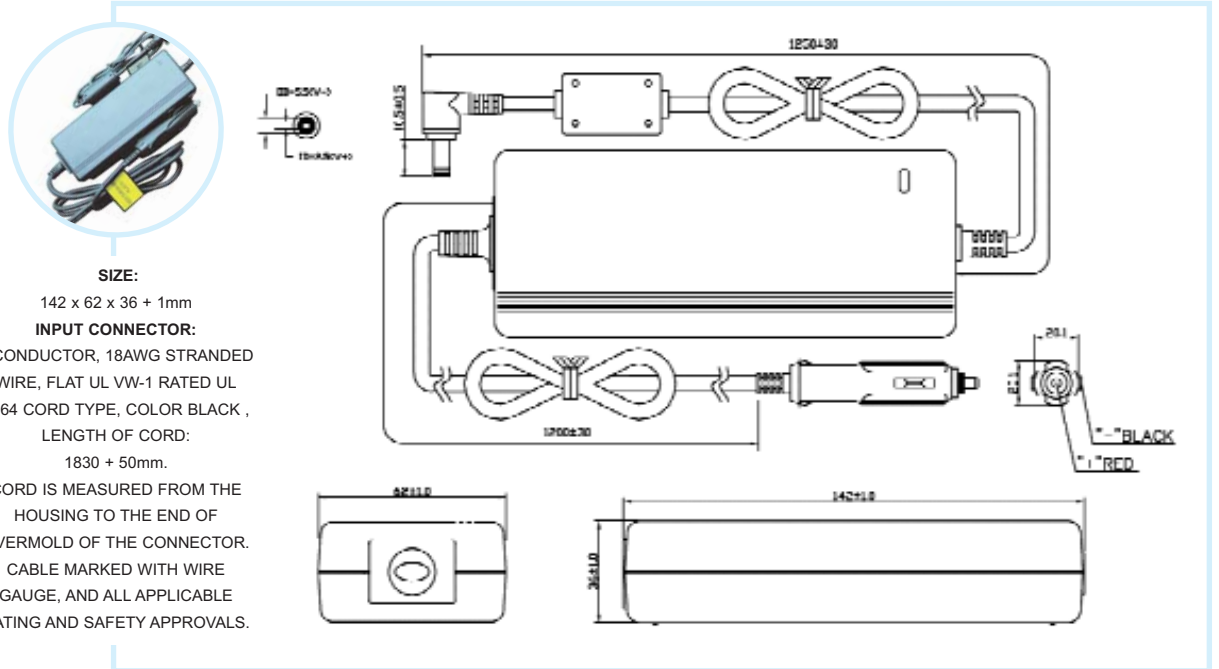
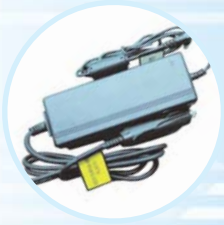
**0-90 Watts, DC/DC Desktop Switchmode Power Supply,  
Single Output Family 11-16 VDC Input, ITE**

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



**ENCLOSURE: DESKTOP, DUAL CORD**

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



**SIZE:**

142 x 62 x 36 + 1mm

**INPUT CONNECTOR:**

2 CONDUCTOR, 18AWG STRANDED  
WIRE, FLAT UL VW-1 RATED UL  
2464 CORD TYPE, COLOR BLACK,  
LENGTH OF CORD:  
1830 + 50mm.

CORD IS MEASURED FROM THE  
HOUSING TO THE END OF  
OVERMOLD OF THE CONNECTOR.  
CABLE MARKED WITH WIRE  
GAUGE, AND ALL APPLICABLE  
RATING AND SAFETY APPROVALS.

**INPUT CONNECTOR:**

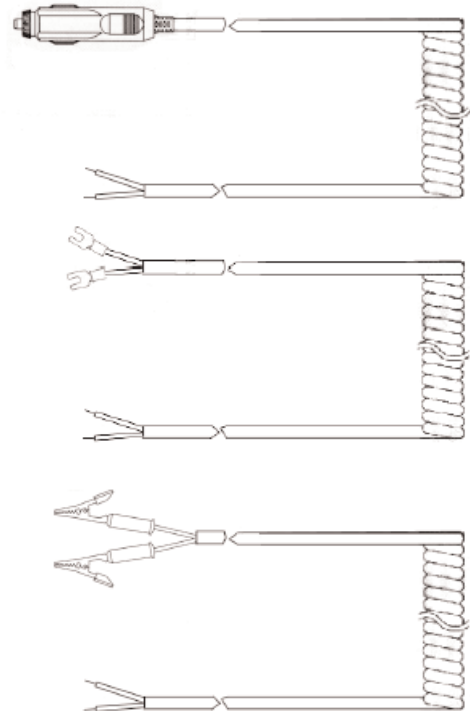
**OPTION # 1:**  
CAR MALE CIGARETTE LIGHTER DC  
POWER PLUG (+,-) TIP POSITIVE WITH  
5A/125V SLO-BLO FUSE

**OPTION # 2:**

SPADE TONGUE TERMINAL 0.25" FAST  
ON SOFT INSULATION TYPE

**INPUT CONNECTOR:**

**OPTION # 3:**  
ALLIGATOR CLIPS



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