



ISO 9001
REGISTERED



**SWITCHING POWER SUPPLY, 60 WATTS, SINGLE/DUAL/TRIPLE/
QUAD. OUTPUT, ENCLOSED, UNIVERSAL INPUT**



1. NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

2. ELECTRICAL SPECIFICATIONS:

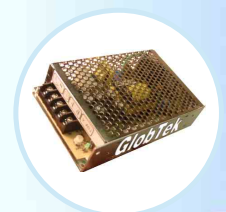
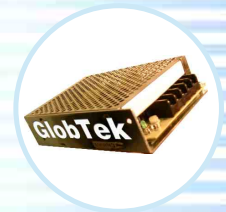
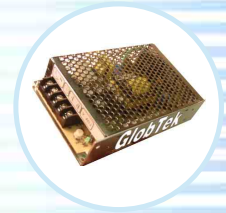
INPUT VOLTAGE: 85 VAC TO 264 VAC
 INPUT CURRENT: < 1.6 A RMS AT 90 VAC INPUT
 INPUT FREQUENCY: 47 HZ - 63 HZ
 OUTPUT VOLTAGE / CURRENT:

P/N	Model	Output
GT-60-5	S-60-5	+ 5VDC +/-2% @ 12A
GT-60-12	S-60-12	+ 12VDC +/-1% @ 5A
GT-60-15	S-60-15	+ 15VDC +/-1% @ 4A
GT-60-24	S-60-24	+ 24VDC +/-1% @ 2.5A
GTD-60-A	D-60-A	+ 5VDC +/-2% @ 4A, +12VDC +/-6% @ 3A
GTD-60-B	D-60-B	+ 5VDC +/-2% @ 3A, +24VDC +/-5% @ 1.8A
GTT-60-A	T-60-A	+ 5VDC +/- 2% @ 5A, +12VDC +/- 6% @ 2.5A, -5VDC +/-6% @ 0.5A
GTT-60-B	T-60-B	+ 5VDC +/- 2% @ 5A, +12VDC +/- 6% @ 2.5A, -12VDC +/-6% @ 0.5A
GTT-60-C	T-60-C	+ 5VDC +/- 2% @ 5A, +15VDC +/- 6% @ 2.0A, -15VDC +/-6% @ 0.5A
GTQ-60-B	Q-60-B	+ 5VDC +/- 2% @ 5.5A, 12VDC +/- 6% @ 2.0A, -5VDC +/-5% @ 0.5A, -12VDC +/-5% @ 0.5A
GTQ-60-C	Q-60-C	+ 5VDC +/- 2% @ 5.5A, 15VDC +/- 6% @ 1.5A, -5VDC +/-5% @ 0.5A, -15VDC +/-5% @ 0.5A
GTQ-60-D	Q-60-D	+ 5VDC +/- 2% @ 4.0A, 12VDC +/- 6% @ 1.0A, 24VDC +/-5% @ 1.0A, -12VDC +/-5% @ 0.8A

OUTPUT CURRENT : NO LOAD TO FULL LOAD,NO MINIMUM LOAD REQUIRED
 OUTPUT POWER (RATED): 60 WATTS MAX
 OUTPUT RIPPLE (PEAK TO PEAK): 100-150 mV (P-P) MODEL DEPENDANT
 ADJUSTABILITY: +10, -5% OUTPUT
 OUTPUT REGULATION (LINE/LOAD): 0.5%-1.0% MODEL + OUTPUT DEPENDANT

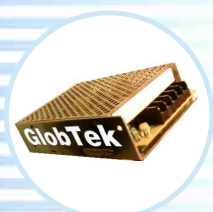
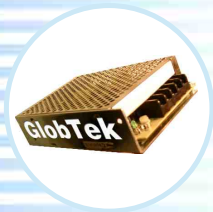
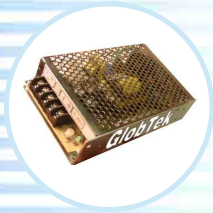
TURN ON/ TURN OFF OVERSHOOT: 4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD
 TURN-ON DELAY: 1 SEC MAX
 HOLD-UP TIME: 10 mSEC MIN AT NOMINAL INPUT 115 VAC AND FULL LOAD
 INRUSH CURRENT: 18~30~72 A MAX AT COLD START FOR N.A. (36-60A FOR EURO),
 MODEL DEPENDANT

EFFICIENCY: 75 % TYPICAL, MODEL + OUTPUT DEPENDANT
 SWITCHING FREQUENCY: 100 KHZ TYPICAL
 OVER-VOLTAGE PROTECTION: VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
 FOR MAIN OUTPUT
 OVER-CURRENT / SHORT CIRCUIT: HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 I_o
 OTHER PROTECTION: INPUT FUSING
 SAFETY APPROVALS : UL 60950 / 1950, CUL TO 22.2 # 234, 950, TUV TO EN 60950, CE CLASS I
 DIELECTRIC WITHSTAND VOLTAGE: 3000VAC PRIMARY-SECONDARY;1500 VAC PRIMARY- GROUND



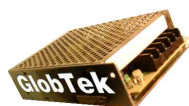
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REGISTERED****SWITCHING POWER SUPPLY, 60 WATTS, SINGLE/DUAL/TRIPLE/
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EMI:

COMPLIES WITH EN55022, 1 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 ANDCE MARK :
EN50082-1INCLUDING 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:
OPERATING TEMPERATURE:
STORAGE TEMPERATURE:
HUMIDITY:
WEIGHT:GREATER THAN 50,000 HOURS AT 25°C AMBIENT TEMPERATURE
0°C TO 45° C, DERATE LINEARY TO 60% OUTPUT POWER AT 60°C
-40°C TO 80° C
0% TO 90% RELATIVE HUMIDITY
0.55 kg REF.



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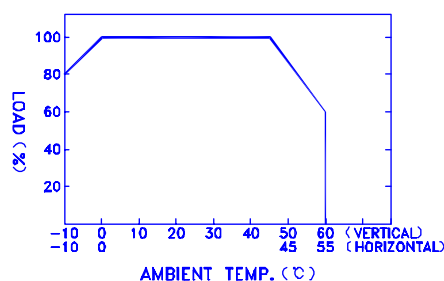


3. MECHANICAL: MM

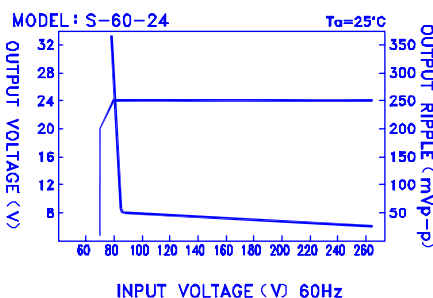
CONFIGURATION: ENCLOSED SWITCHING POWER SUPPLY, AL. ALLOY 3003 OR EQUIVALENT, GOLD IRRIDITE, CHEM. TREATED FINISH, CHASSIS: "U" CHANNEL, WITH (5) MOUNTING METRIC INSERT M3, AS SHOWN BELOW: (2) BOTTOM; (3) RIGHT SIDE. COVER: "L" SHAPE WITH HOLES SCREENED PATTERN FOR NATURAL CONVECTION COOLING THERMAL TRANSFER.

3.1. MODEL S-60

OUTPUT DERATING

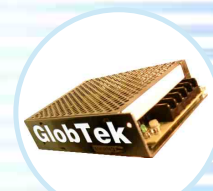
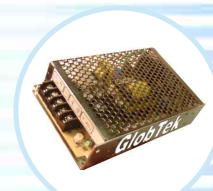
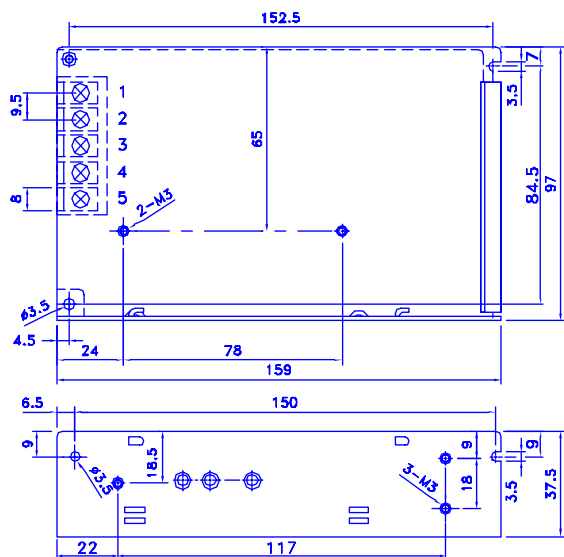


STATIC CHARACTERISTICS



TERMINAL PIN NO. ASSIGNMENT

- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG ⊕
- ☒ PIN 4 : DC OUTPUT -V
- ☒ PIN 5 : DC OUTPUT +V

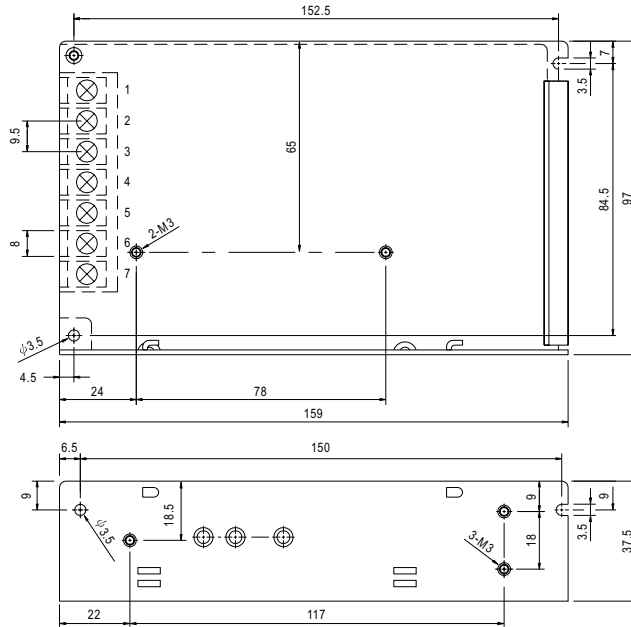




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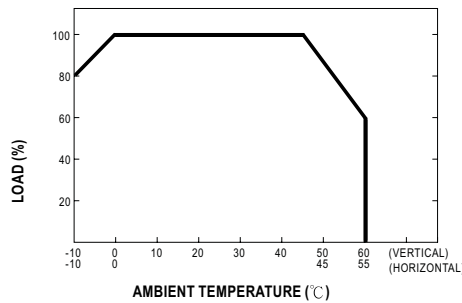
3.2. MODEL D-60



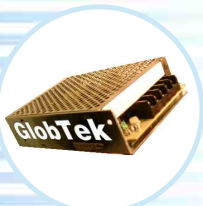
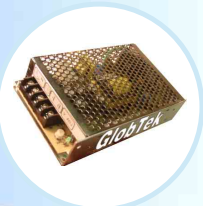
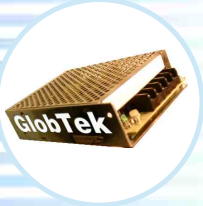
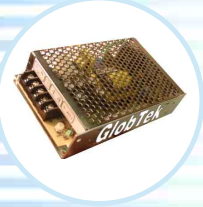
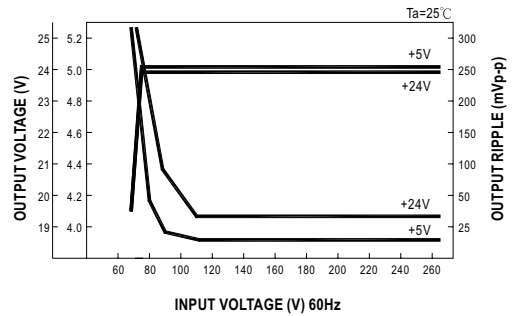
Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT +V2
2	AC/N	5	DC OUTPUT +V1
3	FG \perp	6,7	DC OUTPUT COM

Output Derating



Static Characteristics (B)



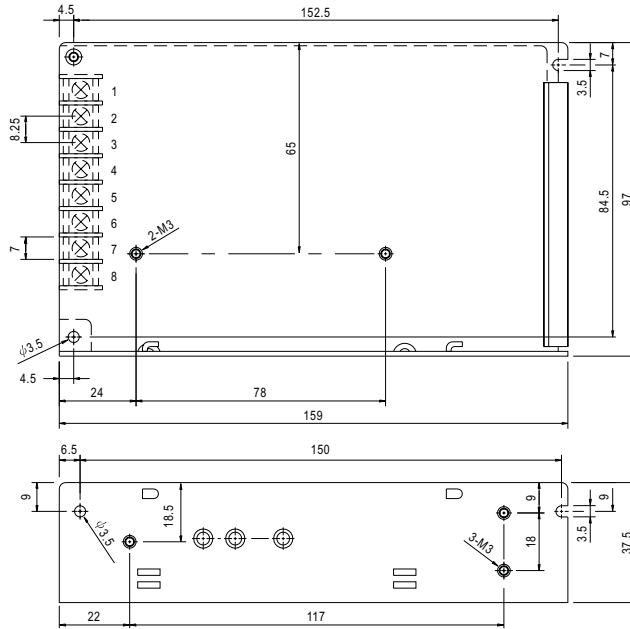


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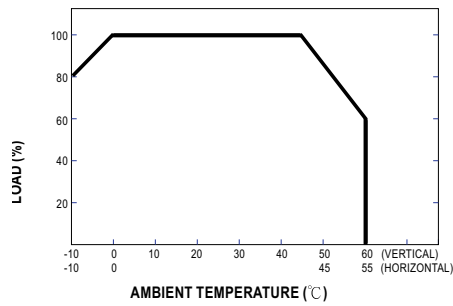
3.4. MODEL Q-60



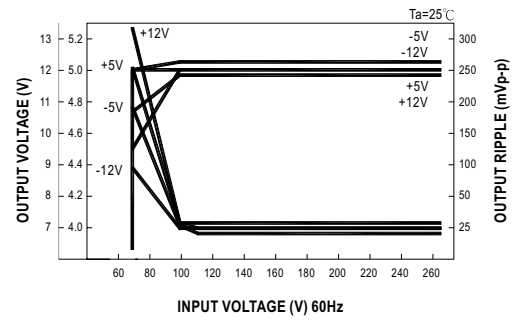
Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V1	7	DC OUTPUT COM
2	AC/N	5	DC OUTPUT -V2	8	DC OUTPUT +V1
3	FG	6	DC OUTPUT +V2		

Derating Curve



Static Characteristics





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LABEL:

GlobTek, Inc.

P/N:

MODEL:

INPUT: 100-240 VAC 50-60 Hz 1.6A

OUTPUT: VDC A

PIN-OUT

DATE CODE
WW - WEEK
YY - YEAR

WWYY

ITE MADE IN XXXX

XXXX - USA OR CHINA

4.2. SECOND LABEL: INSTALLED ON COVER FACING TERMINAL BLOCK

L

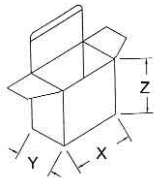
N

FG

COM +12

VERIFY WIRE
POSITIONS
BEFORE HOOKUP

5. INDIVIDUAL PACKING BOX:



X = 164 mm
Y = 42 mm
Z = 101 mm

