

CP-67060-48 A01

Switching Power Supply

SPECIFICATION

Revision: 0.3

727. Phillips Drive City of Industry. CA 91748. USA
[http:// www.istarusa.com](http://www.istarusa.com)
TEL: 626-3038885 FAX: 626-3010588

1.0 INPUT :	3
1.1 VOLTAGE	3
1.2 FREQUENCY	3
1.3 CURRENT	3
1.4 INRUSH CURRENT	3
1.5 POWER EFFICIENCY	3
1.6 LEAKAGE CURRENT	3
2.0 OUTPUT :	3
2.1 REMOTE ON/OFF	4
2.2 HOLD-UP TIME	4
2.3 TURN-ON DELAY TIME	4
2.4 TRANSIENT OVERSHOOT	4
2.5 RISE TIME	4
2.6 POWER GOOD DELAY	4
2.7 POWER FAIL DELAY	4
3.0 PROTECTION :	4
3.1 OVER POWER PROTECTION	4
3.2 OVER VOLTAGE PROTECTION	4
3.3 SHORT PROTECTION	4
4.0 ENVIRONMENT :	4
4.1 OPERATING TEMP	4
4.2 STORAGE TEMP	4
4.3 OPERATING HUMIDITY	4
4.4 STORAGE HUMIDITY	5
4.5 OPERATING ALTITUDE	5

4.6 STORAGE ALTITUDE	5
5.0 HI-POT :	5
5.1 PRIMARY TO SECONDARY	5
5.2 INSULATION RESISTANCE	5
6.0 SYSTEM INTERFACE SIGNAL:	5
6.1 REMOTE SENSING.....	5
6.2 CURRENT SHARE	5
7.0 EMI:	5
7.1 MEET FCC	5
7.2 MEET CISPR 22.....	5
7.3 MEET VCCI	5
8.0 SAFETY:	5
8.1 UL/CUL (UL 60950).....	5
8.2 TUV EN60950	5
8.3 CB (IEC 60950)	5
8.4 CE	5
9.0 MTBF at 25⁰C (demonstrated):	5
10.0 DIMENSIONS:	5

1.0 INPUT:

1.1 VOLTAGE

MINIMUM	NOMINAL	MAXIMUM	UNITS
90	100-240	264	Vrms

1.2 FREQUENCY

47Hz ~ 63Hz

1.3 CURRENT

10A max., 115Vac 60Hz.

1.4 INRUSH CURRENT

80A max @ 230Vac 25 °C cold start.

1.5 POWER EFFICIENCY

78% (min.) at full. load, nominal line input.

1.6 LEAKAGE CURRENT

<0.75mA

2.0 OUTPUT:

DC 48V @ 12.5A, or with optional V2, 5V SB 2A. Total output power 600W

Model	CP- 67060- 48
Voltage	48V
Min load	0A
Regulation	±5%
Ripple	100mV
Ripple & Noise	200mV

- Add 0.1uF and 10uF capacitors across output terminal during ripple & noise test.
- Noise test—Noise Bandwidth is form DC to 20MHz.

2.1 REMOTE ON/OFF

TTL High/PS-ON or PS-OFF; TTL Low/ PS-ON or PS-OFF

$V_{IL}=0.8V_{max}$, $I_{IL}=-1.6mA_{max}$ @ $V_{in}=0.4V$

$V_{IH}=2.0V_{min}$ @ $I_{in}=-200\mu A$, $V_{IH}=5.25V_{max}$ @open ckt.

2.2 HOLD-UP TIME

16msec (minimum) at 80% of full load at 230Vac input.

2.3 TURN-ON DELAY TIME

2000 msec max. at full load, nominal line I/P.

2.4 TRANSIENT OVERSHOOT

10% max with 20% load change.

2.5 RISE TIME

30ms max at full load.

2.6 POWER GOOD DELAY

100-500 msec.

2.7 POWER FAIL DELAY

>1 msec. at remote on/off.

3.0 PROTECTION:

If the power supply protection latch off all main output. (when OPP, OVP or short protection is working) reset by cycling remote on/off control or AC power .

3.1 OVER POWER PROTECTION

Protection at 110%~150% full load

3.2 OVER VOLTAGE PROTECTION

+48V output 54.0 \pm 3.6V

3.3 SHORT PROTECTION

All output to GND.

4.0 ENVIRONMENT:

4.1 OPERATING TEMP. 0°C to +50°C

4.2 STORAGE TEMP. -20°C to +60°C

4.3 OPERATING HUMIDITY 10% to 90%,non-condensing at 40°C

- 4. 4 STORAGE HUMIDITY 5% to 95%, non-condensing at 50 °C
- 4.5 OPERATING ALTITUDE 0 to 10,000 feet
- 4.6 STORAGE ALTITUDE 0 to 50,000 feet

5.0 HI-POT:(Input/Output isolation)

5.1 PRIMARY TO SECONDARY

4242Vdc for 1 minute.

5.2 INSULATION RESISTANCE

Primary to earth ground 500Vdc , 50M ohms Min.

6.0 SYSTEM INTERFACE SIGNAL

6.1 REMOTE SENSING

Remote sense on V1 output.

6.2 CURRENT SHARE

Single wire current share on V1 output.

7.0 EMI

7.1 MEET FCC : Class B

7.2 MEET CISPR 22 : Class B

7.3 MEET VCCI : Class B

8.0 SAFETY

8.1 UL/CUL (UL 60950)

8.2 TUV EN60950

8.3 CB (IEC 60950)

8.4 CE

9.0 MTBFat 25°C(demonstrated)

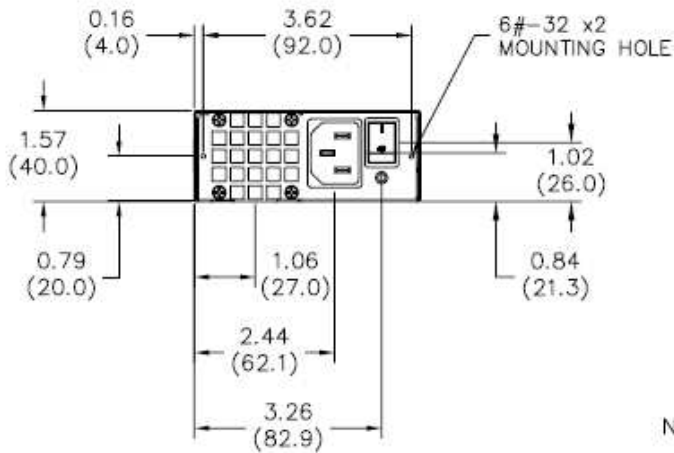
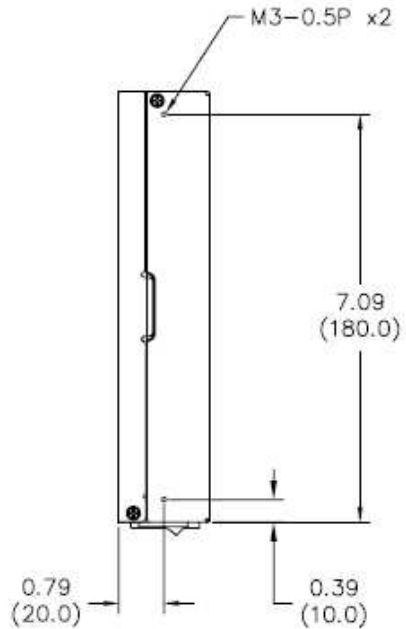
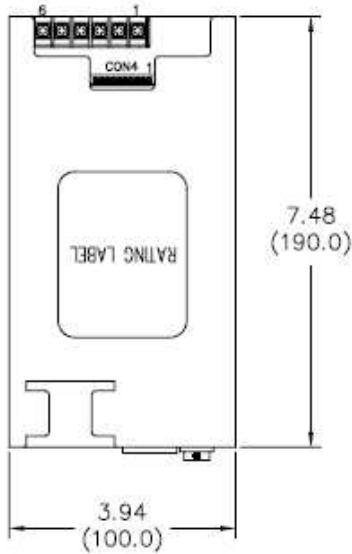
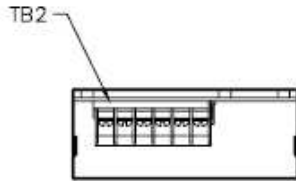
100kHrs Minimum at full load .

10.0 DIMENSIONS:

190mm (L) *100mm (W) * 40mm (H)

TB2	
1	V-
2	V-
3	V-
4	V+
5	V+
6	V+

CON4	
1	FAN SIGNAL
2	FAN SIGNAL 1
3	VLBUS
4	REMOTE-S
5	PS/ON HI
6	+5VSB
7	PS/ON LOW
8	GND
9	+5VSB
10	+5VSB



NOTE:
 1. TB2:
 T42-BS11-06 OR EQU
 2. CON4:
 WST M10-I25003 OR EQU

The information on this drawing is the property of IStarUSA, Inc. and is to be used only for the project for which it was prepared. It is not to be distributed, copied, or otherwise used without the written permission of IStarUSA, Inc.

IStarUSA
 PRODUCE IN THE USA
 SCALE: AS SHOWN
 UNITS: DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES AND DECIMALS THEREOF. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS.

DATE	2008.08.21
REV.	1
UNIT	mm
FILE NO.	CP-67060-48
TITLE	CP-67060-48
DRW	DRW
CHK	CHK
APP	APP
DESIGN	DESIGN
DATE	2008.08.21