CP-67060-48 A01

Switching Power Supply

SPECIFICATION

Revision: 0.3

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

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 ℃ 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}=0.8Vmax, I_{IL}=-1.6mAmax @Vin=0.4V

V_{IH}=2.0Vmin @Iin=-200uA, V_{IH}=5.25Vmax @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 ±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:

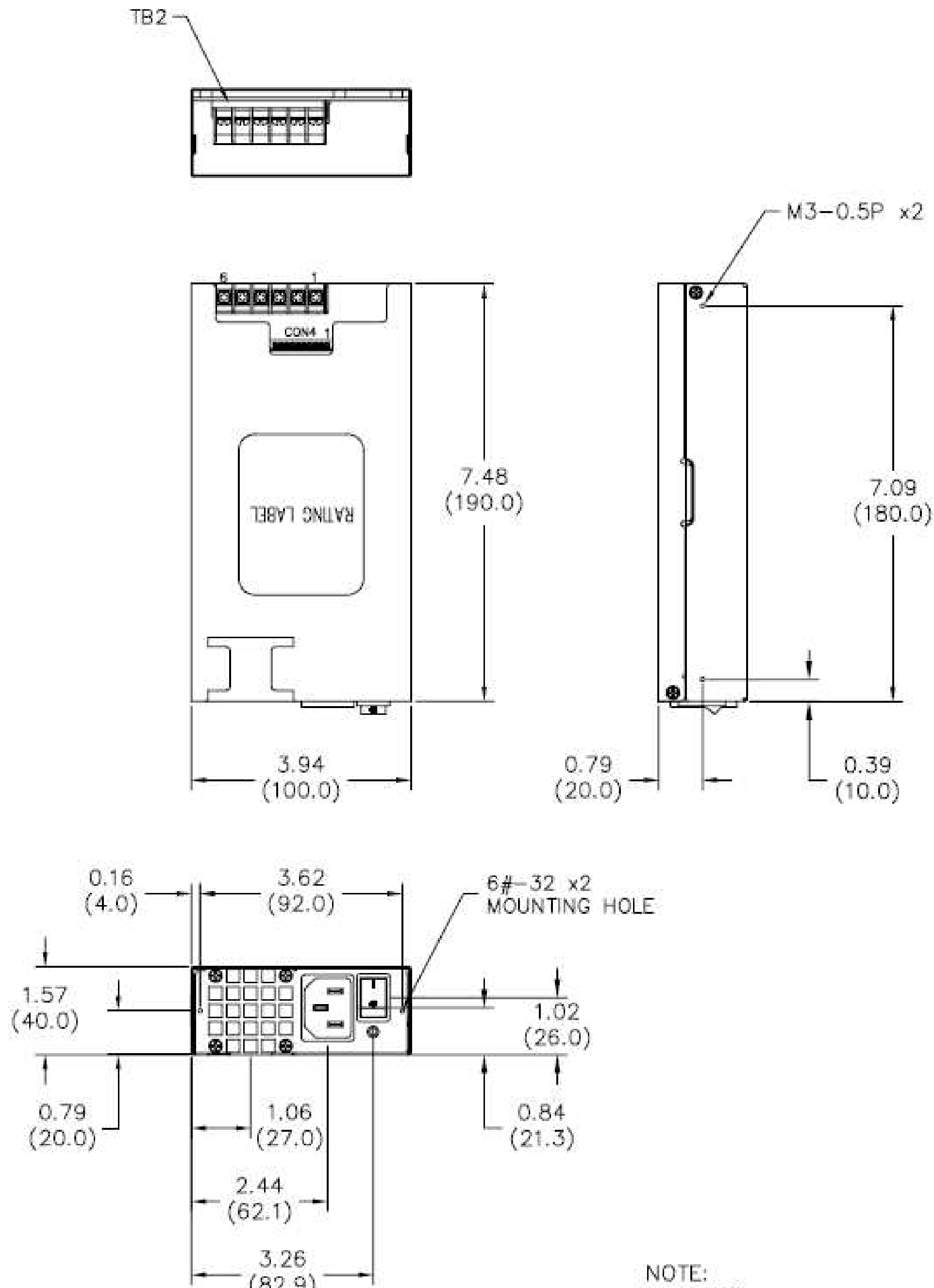
190mm (L) *100mm (W) * 40mm (H)

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

iStarUSA ENG DEPT
PROJ
SCALE
DO NOT SCALE DWG
TOLERANCES UNLESS
DECIMAL X.XX ±0.12
DECIMAL X.X ±0.25
DECIMAL X ±0.50
ANGULAR ±1°
TITLE
CP-67060-48
DGN
DRW 2008.08.21
FILE NO
MATERIAL
REV. 1
UNIT mm