

1) DC INPUT

| Description | Min. | Nominal | Max. |
|------------------|--|---------|------|
| Input Voltage | 36 | 48 | 72 |
| Input Current | 17A MAX. AT 36V DC INPUT, FULL LOAD CONDITION. | | |
| Input Protection | CERAMIC FUSE, 20A/125V. | | |



2) DC OUTPUT

| OUTPUT VOLTAGE | V1 | V2 | V3 | V4 | V5 | V6 |
|-----------------------|-------------|-------------|---------------|---------|--------|-------|
| | +3.3V | +5V | +12V | -5V | -12V | +5Vsb |
| MIN. LOAD | 0 A | 2 A | 1 A | 0 A | 0 A | 0 A |
| **MAX. LOAD | *28 A | *40 A | 18 A | **0.5 A | **1 A | 2 A |
| ***REGULATION | ±5% | ±5% | ±5% | ±5% | +8/-5% | ±5% |
| RIPPLE & NOISE (MAX.) | 50mV | 50mV | 120mV | 50mV | 200mV | 50mV |
| OVP | +3.8V~+4.6V | +5.8V~+7.0V | +13.8V~+17.5V | --- | --- | --- |
| EFFICIENCY (TYP.) | 66% | | | | | |

Note: * +3.3V & +5V TOTAL OUTPUT MAXIMUM 200 WATTS.

** -5V & -12V TOTAL OUTPUT MAXIMUM 12 WATTS.

*** INPUT VOLTAGE 36V~42V : TOTAL OUTPUT MAXIMUM 350 WATTS.

INPUT VOLTAGE 43V~72V : TOTAL OUTPUT MAXIMUM 400 WATTS.

**** THE OUTPUT VOLTAGE LOAD REGULATION IS LESS THAN THE VALUES IN THE ABOVE TABLE BY CHANGING EACH OUTPUT LOAD ±40% FROM 60% RATED OF LOAD, AND KEEP THE OTHER OUTPUTS AT 60% OF RATED LOAD.

3) ELECTRONIC CHARACTERISTICS:

3.1) **RISE TIME:** 20mS MAX.

3.2) **OVERLOAD PROTECTION:** WHEN OUTPUT POWER OVER 105% TO 150% OF RATED LOAD, THE POWER SUPPLY WILL SHUTDOWN AND AUTO RECOVERY WHEN FAULT CONDITION HAS BEEN REMOVED.

3.3) **SHORT CIRCUIT PROTECTION:** WHEN OUTPUT SHORT TO GROUND, THE POWER SUPPLY WILL SHUTDOWN AND AUTO RECOVERY WHEN SHORT CIRCUIT CONDITION HAS BEEN REMOVED.

3.4) **POWER GOOD SIGNAL:** POWER ON WITHIN 100---500ms, HIGH LEVEL TTL SIGNAL RELEASE.

3.5) **PS-ON INPUT SIGNAL:** THE PS-ON TTL SIGNAL SWITCHES ON/OFF THE PS. THE INPUT IS DUE TO A 30K PULL UP RESISTOR CONNECTED TO +5VSB. IF THE INPUT IS OPEN (DEFAULT)THE PS IS SWITCHED OFF.

| LOGIC STATE | FUNCTION | INPUT VOLTAGE | INPUT CURRENT |
|-------------|---------------------|---------------|---------------|
| PS-ON =HI | P/S IS SWITCHED OFF | PS-ON >2V | |
| PS-ON =LOW | P/S IS SWITCHED ON | PS-ON <0.8V | MAX-3mA@0V |

4) COOLING:

FORCED AIRFLOW COOLING WITH TWO 15 CFM (MIN.) DC FAN.

5) SAFETY REQUIREMENTS

THIS PRODUCT IS DESIGN TO COMPLY WITH THE FOLLOWING STANDARDS

- 5-1) UL 1950 3rd EDITION (1995) APPROVED. (E 129733)
- 5-2) CSA C22.2 NO.950-95 3rd EDITION (1995) APPROVED BY UL.
- 5-3) TUV EN 60950: 1992+A1+A2+A3+A4+A11 (1997) APPROVED. (R 5008519)
- 5-4) IEC 60950:1991+A1+A2+A3+A4 (1996) APPROVED.
- 5-5) EMKO-TSE (74-SEC) 207/94 APPROVED

6) EMS:

THIS PRODUCT IS DESIGN TO COMPLY WITH THE FOLLOWING STANDARDS:

6-1) EMI:

- (1). **FCC CFR PART 15 SUBPART J , CLASS B LIMIT**
- (2). **EN 50081-1:1997 EMISSION STANDARD**
EN 55022: 1997 CLASS B LIMIT.
- (3). **CNS 13438 CLASS B.**

6-2) EMS:

- (1). **EN 50082-1 (1997) IMMUNITY STANDARD:**
 - EN 61000-4-2 : 1995 ELECTROSTATIC DISCHARGE STANDARD.
 - EN 61000-4-3 : 1996 RADIATED RF STANDARD.
 - EN 61000-4-4 : 1995 FAST TRANSIENT/BURST STANDARD
 - EN 61000-4-5 : 1995 LIGHTNING SURGE STANDARD
 - EN 61000-4-6 : 1996 CONDUCTED RF STANDARD.
 - EN 61000-4-8 : 1993 POWER FREQ. MAG. FILELD STANDARD.
 - EN 61000-4-11:1994 VOLTAGE DIP & INTERRUPT STANDARD.

7) PHYSICAL ENVIRONMENT (AMBIENT):

7-1) TEMPERATURE RANGE:

OPERATING TEMPERATURE RANGE : 0 ~ 70°C
DERATING FACTOR 45°C ~ 70°C : 2.5%/°C
STORAGE -10 TO +75 °C

7.2). HUMIDITY:

OPERATION 20% TO 85% RH. (NON CONDENSING)
STORAGE AND SHIPPING 10% TO 95% RH. (NON CONDENSING)

8).M.T.B.F.:

138K HOURS APPROXIMATELY, ACCORDING TO MIL-HDBK-217F AT 25°C ENVIRONMENT.

9) MECHANICAL DATA:

OUTLINE DIMENSION : W 100 × D 200 × H 67 mm

