

SUNPOWER TECHNOLOGY CORP.**SPECIFICATIONS OF SWITCHING POWER SUPPLY****MODEL NO.: SDS-030B3.3 REV.:1.3****SDS-030B05****SDS-030B12****SDS-030B24****SDS-030B48****(UL/cUL/TUV STANDARD)**

STAMP	APPROVED	CHECK	PREPARE

1. DC INPUT :

1-1. VOLTAGE :

18V (MIN.) --- 36V (MAX.)

1-2. CURRENT :

2.6A MAX. AT 19V INPUT, FULL LOAD CONDITION.**2. DC OUTPUT :**

MODEL NO.:	SDS-030B3.3	SDS-030B05	
VOLTAGE	+3.3 V	+5 V	
MAX. LOAD	7 A	6 A	
REGULATION	±3%	±2%	
OVP	+3.8V~+4.6V	+5.8V~+7.0V	
RIPPLE & NOISE (MAX.)	40mV	50mV	
EFFICIENCY (MIN.)	68%	70%	
MODEL NO.:	SDS-030B12	SDS-030B24	SDS-030B48
VOLTAGE	+12 V	+24 V	+48 V
MAX. LOAD	2.5A	1.3 A	0.65 A
REGULATION	±1%	±1%	±1%
OVP	+13.8V~+17.5V	+27.6V~+33.6V	+55.2V~+67.2V
RIPPLE & NOISE (MAX.)	100mV	200mV	250mV
EFFICIENCY (MIN.)	74%	76%	78%

3. ELECTRONIC CHARACTERISTICS :

3-1. RISE TIME :

20mS MAX.

3-2. SHORT CIRCUIT PROTECTION :

WHEN OUTPUT SHORT TO GROUND, THE POWER SUPPLY WILL SHUTDOWN,
AND AUTO RECOVERY WHEN SHORT CIRCUIT BE REMOVE.**5. MECHANICAL DATA :**OUTLINE DIMENSION : **W82 ×L99 ×H35 mm****4. COOLING:**

NATURAL COOLING.

6. SAFETY :

THIS PRODUCT IS DESIGN TO COMPLY WITH THE FOLLOWING STANDARDS :

- 6-1. UL 60950 3rd EDITION (2000) STANDARD.
- 6-2. CSA C22.2 NO.60950 3rd EDITION (2000) STANDARD.
- 6-3. TUV EN 60950 3rd EDITION (2000) STANDARD.
- 6-4. IEC 60950 3rd EDITION (1999) STANDARD.
- 6-5. EMKO-TSE (74-SEC) 207/94 STANDARD.

7. EMC :

THIS PRODUCT IS DESIGN TO COMPLY WITH THE FOLLOWING STANDARDS :

7-1. EMI

- (1) . FCC CFR 47 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.

7-2. 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.

8. PHYSICAL ENVIRONMENT (AMBIENT) :**8-1. TEMPERATURE RANGE :**

OPERATING TEMPERATURE RANGE : 0 ~ 70°C

DERATING FACTOR 50°C ~ 70°C : 2.5%/°C

STORAGE -10 TO +75 °C

8-2. HUMIDITY :

OPERATION 20% TO 85% RH. (NON CONDENSING)

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

9.M.T.B.F.:

417K HOURS APPROXIMATELY, ACCORDING TO MIL-HDBK-217F AT 25°C ENVIRONMENT.