

FEATURES

- 2 Year Warranty
- LED Indicator for Power On
- 100% Full Load Burn-In Tested
- Cooling by Free Air Convection
- Universal AC Input / Full Range
- Built-In EMI Filter, Low Ripple Noise
- Fixed Switching Frequency at 54KHz
- High Efficiency, Low Working Temperature
- Soft-Start Circuit, Limiting AC Surge Current
- Short Circuit, Overload, and Over Voltage Protected





SPECIFICATIONS: PSD60 Seri							
	based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.						
	reserve the right to change specifications based on technological advances.						
PUT SPECIFICATIONS							
Input Voltage Range	85 ~ 264VAC (120 ~ 370VDC)						
Input Frequency	47 to 63Hz						
AC Current (typical)	2A @ 115VAC 1A @ 230VAC						
Inrush Current (typical)	Cold Start 20A @ 115VAC 40A @ 230VAC						
Leakage Current							
OUTPUT SPECIFICATIONS							
Output Voltage	See Table						
Output Power	See Table						
Voltage Tolerance (See Note 3)	PSD60-A: CH.1: ±2.0% CH.2: ±6.0% PSD60-B: CH.1: ±2.0% CH.2: ±5.0%						
Voltage Adjustment Range	CH.1: 4.75 ~ 5.5V						
Line Regulation	PSD60-A: CH.1: ±0.5% CH.2: ±1.0% PSD60-B: CH.1: ±0.5% CH.2: ±0.5%						
Land Barriation (Oan Nata A)	PSD60-A: CH.1: ±0.5% CH.2: ±4.0%						
Load Regulation (See Note 4)	PSD60-B: CH.1: ±0.5% CH.2: ±4.0%						
Output Current	See Table						
Ripple & Noise (max) (See Note 2)	See Table						
Setup, Rise Time	300ms, 50ms @ 230VAC 800ms, 50ms @ 115VAC and full load						
Hold Up Time (typical)	80ms @ 230VAC 10ms @ 115VAC and full load						
Temperature Coefficient	±0.03%/°C (0 ~ 50°C) on +5V output						
PROTECTION	1 200000 C C C C C C C C C C C C C C C C						
Overload Protection	105 ~ 150% rated output power Protection Type: Hiccup mode, recovers automatically after fault condition is removed.						
Over Voltage Protection	5V: 5.75 ~ 6.75V Protection Type: Hiccup mode, recovers automatically after fault condition is removed.						
GENERAL SPECIFICATIONS							
Efficiency (typical)	See Table						
Switching Frequency	54KHz						
Withstand Voltage	3000VAC (Input to Output), 1500VAC (Input to FG), 500VAC (Output to FG)						
Isolation Resistance	100MΩ/500DC (Input to Output, Input to FG, and Output to FG)						
ENVIRONMENTAL SPECIFICATIONS							
Working Temperature	-10°C to +60°C (refer to output load derating curve)						
Storage Temperature	-20°C to +85°C						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Humidity	10 ~ 95% RH						
Cooling	Free air convection						
Vibration	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min each along X, Y, Z axes.						
MTBF	301,200 hours min. @ 25°C (MIL-HDBK-217F)						
PHYSICAL SPECIFICATIONS	O 1,200 HOSTO HIRL. & 20 O [MILE-HIDDITZ [11])						
	540 grams						
Weight	159(L) x 97(W) x 38(H) mm						
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Weight Dimensions							
Dimensions Warranty	159(L) x 97(W) x 38(H) mm 2 years						
Dimensions Warranty SAFETY & EMC (See Note 6)	2 years						
Dimensions Warranty SAFETY & EMC (See Note 6) Safety Standards	2 years UL1012, UL60950, TUV EN60950 Approved						
Dimensions Warranty SAFETY & EMC (See Note 6)	2 years						

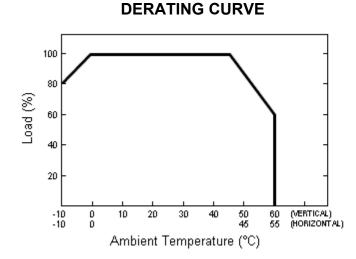


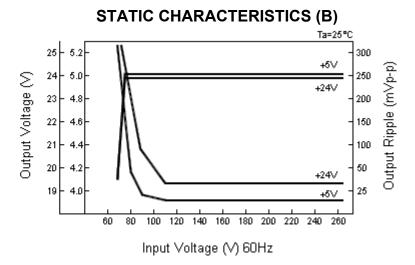
OUTPUT VOLTAGE / CURRENT RATING CHART

	Model N	umber	Input Voltage	Output Voltage	Rated Output Current	Output Current Range	Ripple & Noise	Rated Output Power	Efficiency
	SD60-A	CH: 1		5 VDC	4A	0.3 ~ 6A	75mVp-p	56W	73%
ľ		CH: 2	85 ~ 264VAC	12 VDC	3A	0.2 ~ 4A	150mVp-p	3000	7370
	SD60-B	CH: 1	(120 ~ 370VDC)	5 VDC	3A	0.3 ~ 6A	75mVp-p	58W	76%
		CH: 2		24 VDC	1.8A	0.2 ~ 2.2A	150mVp-p	5677	7070

NOTES

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load, and 25°C ambient temperature.
- 2. Ripple & noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
- 3. Tolerances include set up tolerance, line regulation, and load regulation.
- 4. Load regulation is measured from 20% to 100% rated load and other output at 60% rated load.
- 5. Each output provides up to maximum current but total load can not exceed maximum output power.
- The power supply is considered a component, which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

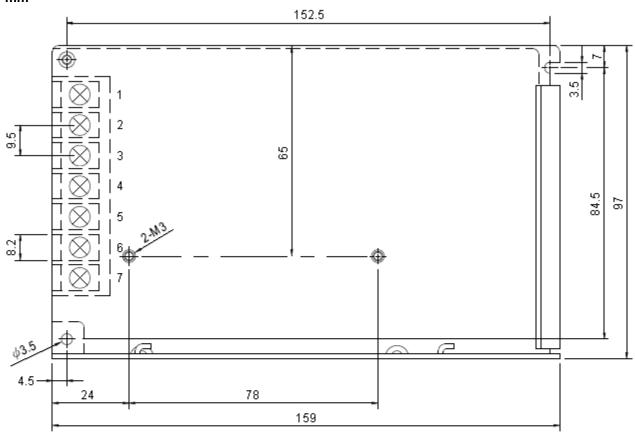


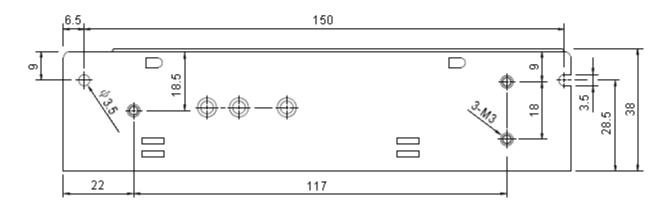




MECHANICAL DRAWING

Unit: mm





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