



60W Double Output Switching Power Supply

60W
MW D-60 series



Features :

- . Low cost, High reliability
- . 105°C output capacitor
- . International AC input range
- . High efficiency, Low working temperature
- . Soft-start circuit, Limiting AC surge current
- . Short circuit, overload, over voltage protected
- . Compact size, Light weight
- . 100% full load burn-in test
- . Built in EMI filter, Low ripple noise

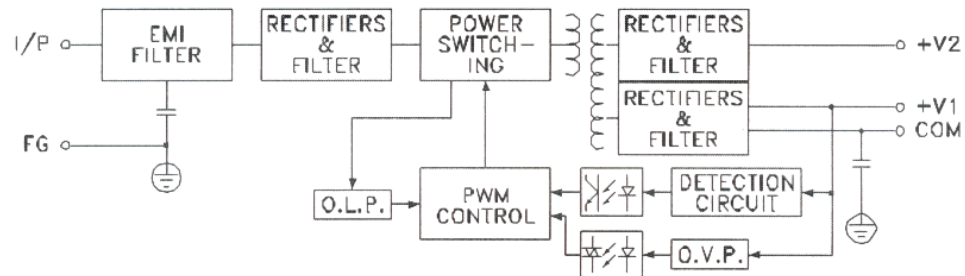
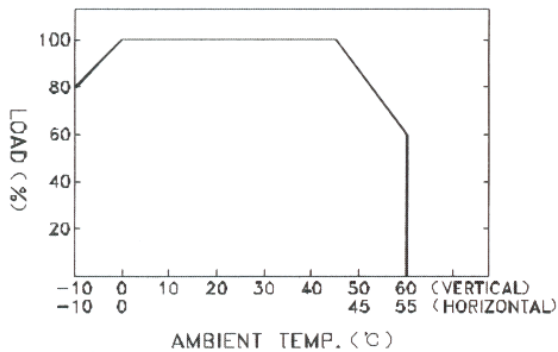
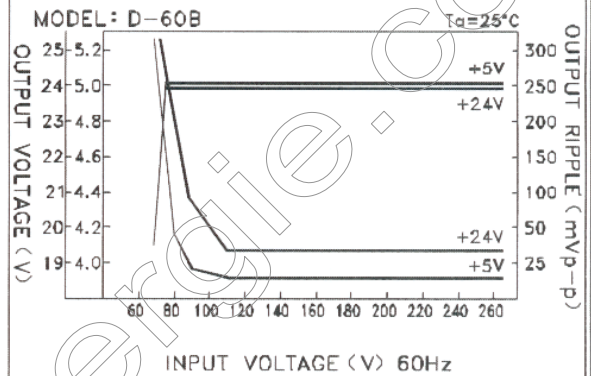
. ISO-9001 certified manufacturer



SPECIFICATION	MODEL	D-60A		D-60B	
		CH1	CH2	CH1	CH2
DC OUTPUT VOLTAGE		5V	12V	5V	24V
OUTPUT V. TOLERANCE		±2%	±6%	±2%	±5%
OUTPUT RATED CURRENT		4A	3A	3A	1.8A
OUTPUT CURRENT RANGE		0.3-6A	0.2-4A	0.3-6A	0.2-2.2A
RIPPLE & NOISE		75mVp-p	150mVp-p	75mVp-p	150mVp-p
LINE REGULATION		±0.5%	±1%	±0.5%	±0.5%
LOAD REGULATION		±0.5%	±4%	±0.5%	±4%
DC OUTPUT POWER		56W		58W	
EFFICIENCY		73%		76%	
DC VOLTAGE ADJ.		CH1: +10...-5%		CH1: +10...-5%	
INPUT VOLTAGE RANGE		85~264VAC 47~63Hz; 120~370VDC			
AC CURRENT		2A/115V 1A/230V			
INRUSH CURRENT		COLD START 30A/115V 60A/230V			
LEAKAGE CURRENT		<1mA/240VAC			
OVERLOAD PROTECTION		105%-150% TYPE: PULSING HICCUP SHUTDOWN RESET: AUTO RECOVERY			
OVER VOLTAGE PROTECTION		CH1: 5.75~6.75V			
OVER TEMP. PROTECTION		-----			
TEMP. COEFFICIENT		±0.03% / °C (0~50°C) ON +5V OUTPUT			
SETUP, RISE, HOLD UP TIME		800ms, 50ms, 10ms / 115VAC 300ms, 50ms, 80ms / 230VAC			
VIBRATION		10~500Hz, 2G 10min/1cycle, PERIOD FOR 60min. EACH AXES			
WITHSTAND VOLTAGE		I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
ISOLATION RESISTANCE		I/P-O/P: I/P-FG, O/P-FG: 500VDC / 100M Ohms			
WORKING TEMP., HUMIDITY		-10°C~+60°C (REFER TO OUTPUT DERATING CURVE), 20%~90% RH			
STORAGE TEMP., HUMIDITY		-20°C~+85°C, 10%~95% RH			
DIMENSION		159*97*38mm CASE: 901			
WEIGHT		0.55Kgs			
SAFETY STANDARDS		UL1012, TUV EN60950, IEC950, UL1950 APPROVED			
EMC STANDARDS		EN55022 CLASS B, EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-3-2,-3, EN55024 VERIFICATION			
NOTE	1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH AMBIENT. 2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION. 3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR. 4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD. 5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD. 6. EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER. 7. C2,3,6 MUST BE REMOVED.				

2002-12-27

2002-12-27

**BLOCK DIAGRAM****OUTPUT DERATING****STATIC CHARACTERISTICS****DIMENSION (mm)**

- ☒ CASE : 901
- ☒ TERMINAL PIN NO. ASSIGNMENT
 - ☒ PIN 1,2 : AC INPUT
 - ☒ PIN 3 : FG
 - ☒ PIN 4 : DC OUTPUT +V2
 - ☒ PIN 5 : DC OUTPUT +V1
 - ☒ PIN 6,7 : DC OUTPUT COM

