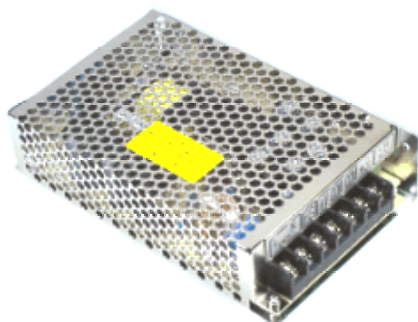




50W Dual Output Switching Power Supply

50W
MW ID-50 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 protected
- . Compact size, Light weight
- . 100% full load burn-in test
- . Built in EMI filter, Low ripple noise

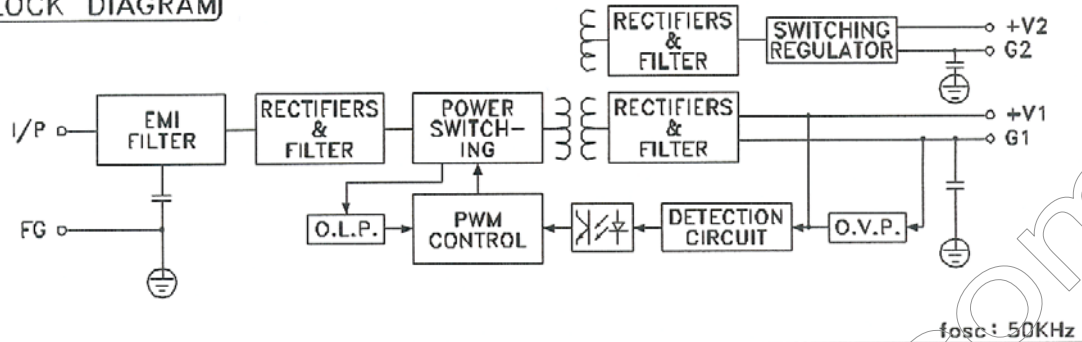
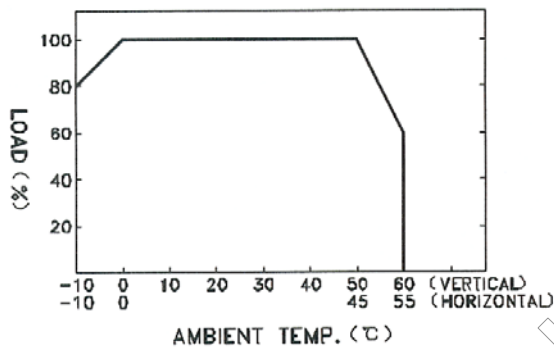
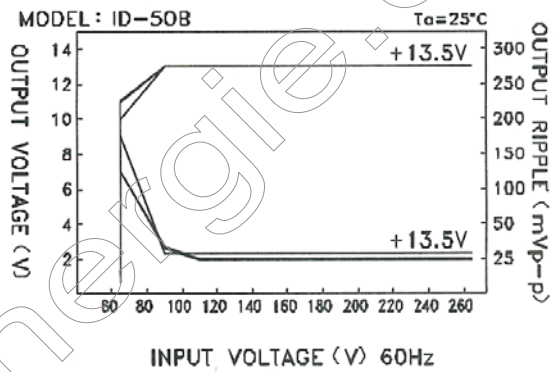
. ISO 9001 certified manufacturer



MODEL	ID-50A		ID-50B		ID-50C		ID-50D	
	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
SPECIFICATION								
DC OUTPUT VOLTAGE	5V	5V	13.5V	13.5V	27V	27V	5V	13.5V
OUTPUT V. TOLERANCE	±1%	±2%	±1%	±2%	±1%	±2%	±1%	±2%
OUTPUT RATED CURRENT	6A	2A	1.8A	1.8A	0.9A	0.9A	5A	1.7A
OUTPUT CURRENT RANGE	0.5-6A	0-2A	0.3-2A	0-2A	0.18-1A	0-1A	1-5A	0-2A
RIPPLE & NOISE (p-p)	50mV	100mV	100mV	150mV	100mV	150mV	50mV	150mV
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.3%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±0.5%	±1%	±0.5%	±0.5%	±0.3%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	40W		48W		48W		48W	
EFFICIENCY	66%		70%		72%		68%	
DC VOLTAGE ADJ.	CH1,2:4.75-5.5V		CH1,2:12-15V		CH1,2:24-30V		CH1,4:7.5-5.5V	
INPUT VOLTAGE RANGE	85-264VAC, 47-63Hz; 120-370VDC							
AC CURRENT	1A/115V 0.6A/230V							
INRUSH CURRENT	COLD START 18A/115V 36A/230V							
LEAKAGE CURRENT	<3.5mA/240VAC							
OVERLOAD PROTECTION	105%-150%/115VAC TYPE:PULSING HICCUP SHUTDOWN RESET:AUTO RECOVERY RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION	CH1:6.4-7.5V		CH1:17-21V		CH1:32-40V		CH1:6.4-7.5V	
OVER TEMP. PROTECTION	-----							
TEMP. COEFFICIENT	±0.03%/°C (0-50°C) ON +5V OUTPUT							
SETUP, RISE, HOLD UP TIME	1.6s, 50ms, 20ms							
VIBRATION	10-500Hz, 2G 10min/1cycle, PERIOD FOR 60min. EACH AXES							
WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC 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	0.53Kgs							
SAFETY STANDARDS	MEET IEC950 REQUIREMENT (NOT APPLY FOR THE MARK)							
EMC STANDARDS	-----							
NOTE	1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT. 2. TOLERANCE GINCLUDE 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. C2,3,5 MUST BE REMOVED.							

2001-08-21

2001-08-21

**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 G2
 - ☒ PIN 5 : DC OUTPUT +V2
 - ☒ PIN 6 : DC OUTPUT G1
 - ☒ PIN 7 : DC OUTPUT +V1

