



Features :

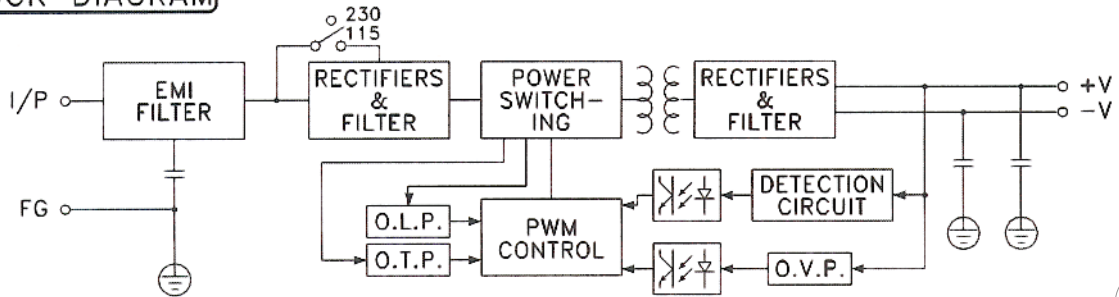
- . Low cost, High reliability
- . 105°C output capacitor
- . International AC input range
- . High efficiency, Low working temperature
- . Soft-start circuit, Limiting AC surge current
- . Short circuit, Overload, Over voltage protected
- . Compact size, Light weight
- . 100% full load burn-in test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

- . **ISO-9001 certified manufacturer**



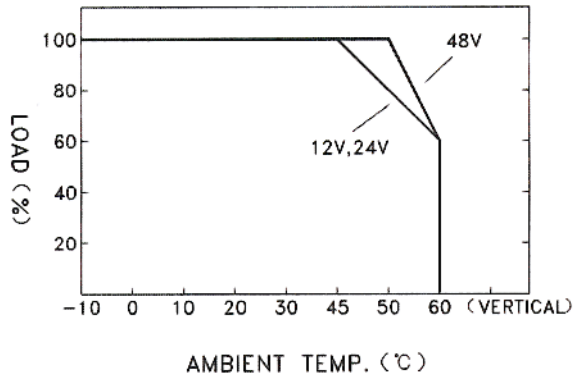
MODEL	DR-120-12	DR-120-24	DR-120-48
SPECIFICATION			
DC OUTPUT VOLTAGE	12V	24V	48V
OUTPUT V. TOLERANCE	±2%	±1%	±1%
OUTPUT RATED CURRENT	10A	5A	2.5A
OUTPUT CURRENT RANGE	0-10A	0-5A	0-2.5A
RIPPLE & NOISE	80mVp-p	80mVp-p	100mVp-p
LINE REGULATION	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±1%	±1%	±1%
DC OUTPUT POWER	120W	120W	120W
EFFICIENCY	80%	84%	85%
DC VOLTAGE ADJ.	12-14V	24-28V	48-53V
INPUT VOLTAGE RANGE	88-132VAC/176-264VAC BY SWITCH 47-63Hz, 254-370VDC		
AC CURRENT	2.8A/115V 1.7A/230V		
INRUSH CURRENT	COLD START 30A/115V 60A/230V		
LEAKAGE CURRENT	<3.5mA/240VAC		
OVERLOAD PROTECTION	105%-150% TYPE CONSTANT CURRENT LIMITING RESET AUTO RECOVERY		
OVER VOLTAGE PROTECTION	15-16.5V	29-33V	58-65V
OVER TEMP. PROTECTION	85 ° C ± 5 ° C (TSW1)	90 ° C ± 5 ° C TYPE SHUT DOWN RESET AUTO RECOVERY (TSW1)	
TEMP. COEFFICIENT	±0.03% / ° C (0-50° C)		
SETUP, RISE, HOLD UP TIME	500ms; 70ms, 30ms/230V, 115V		
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	65.5*125.2*100mm (W*H*D)		
WEIGHT	0.65Kgs		
SAFETY STANDARDS	TUV EN60950, UL508 APPROVED		
EMC STANDARDS	EN55022 CLASS B, EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-3-2,-3 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		

BLOCK DIAGRAM

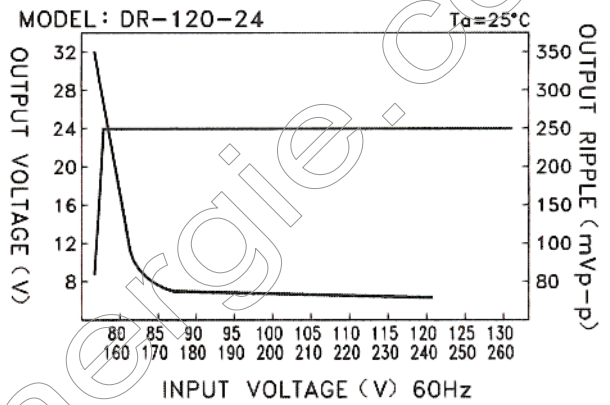


fosc : 55KHz

OUTPUT DERATING

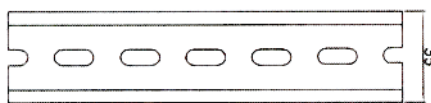
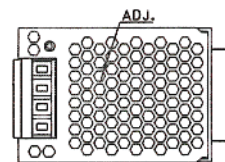
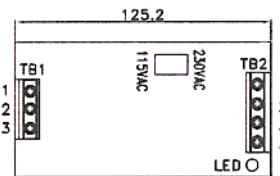
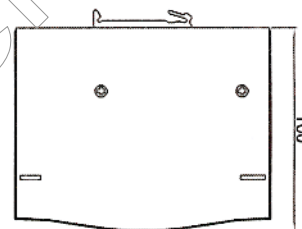
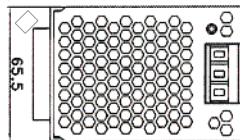


STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 921
- ☒ TERMINAL PIN NO. ASSIGNMENT
 - ☒ TB1 : AC INPUT
 - ☒ PIN 1 : ⊕
 - ☒ PIN 2 : AC/N
 - ☒ PIN 3 : AC/L
 - ☒ TB2 : DC OUTPUT
 - ☒ PIN 1,2 : +V
 - ☒ PIN 3,4 : -V



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15