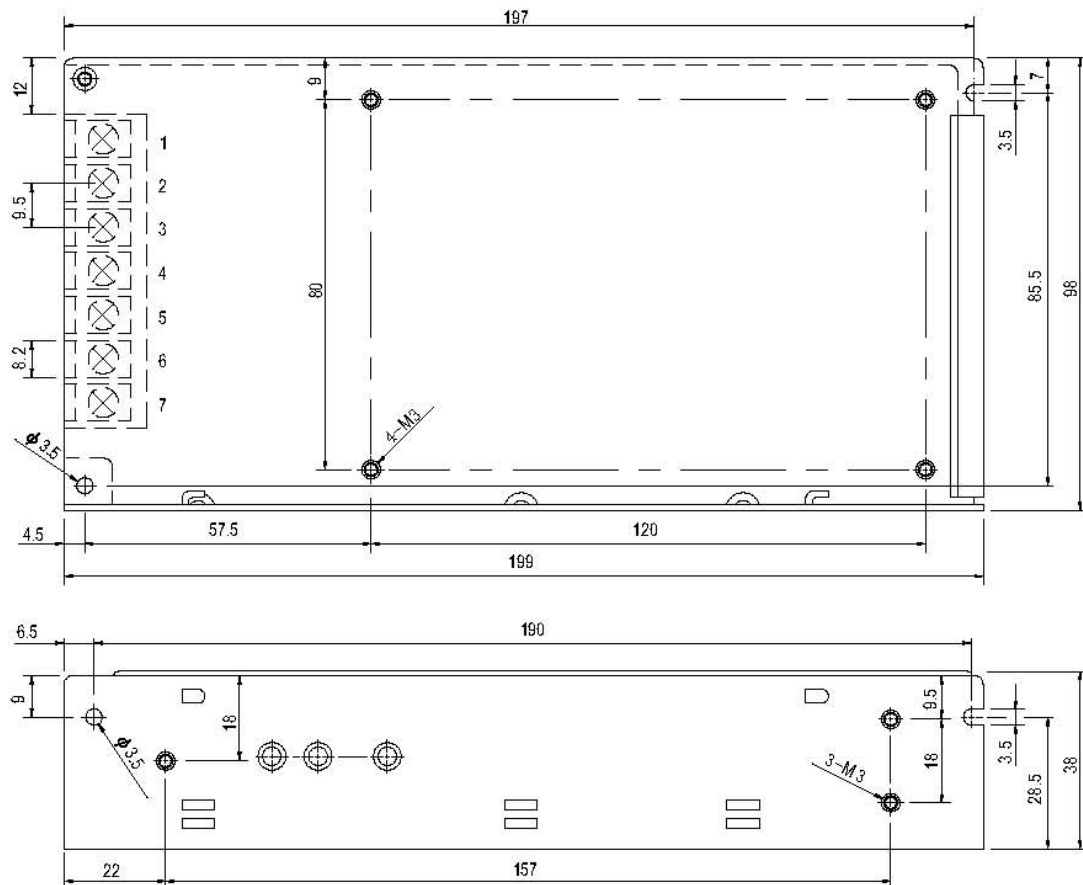




Features :

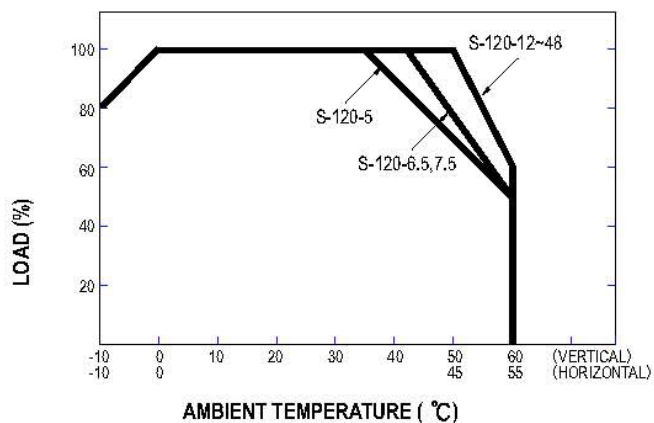
- AC input range selectable by switch
- Protections: Short circuit/Over load
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 25KHz
- Low cost
- High reliability

MODEL		S-120-5	S-120-7.5	S-120-10	S-120-12	S-120-15	S-120-18	S-120-24	S-120-27	S-120-48
OUTPUT	DC VOLTAGE	5V	7.5V	10V	12V	15V	18V	24V	27V	48V
	RATED CURRENT	24A	16A	12A	10A	8A	6.7A	5A	4.4A	2.5A
	CURRENT RANGE	0 ~ 24A	0 ~ 16A	0 ~ 12A	0 ~ 10A	0 ~ 8A	0 ~ 6.7A	0 ~ 5A	0 ~ 4.4A	0 ~ 2.5A
	RATED POWER	120W	120W	120W	120W	120W	120.6W	120W	118.8W	120W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	6.75 ~ 8.25V	9 ~ 11V	10.8 ~ 13.2V	13.5 ~ 16.5V	16.2 ~ 19.8V	21.6 ~ 26.4V	24.4 ~ 29.7V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
	LOAD REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
SETUP, RISE, HOLD TIME		200ms, 80ms, 20ms at full load								
INPUT	VOLTAGE RANGE	85 ~ 132VAC/180 ~ 264VAC selected by switch 255 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	78%	80%	80%	81%	81%	82%	84%	84%	84%
	AC CURRENT	2.8A/115VAC 1.4A/230VAC								
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 60A/230VAC								
	LEAKAGE CURRENT	<1mA / 240VAC								
PROTECTION	OVERLOAD	105 ~ 150% rated output power								
		Protection type : Shut down o/p voltage, re-power on to recover.								
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL1012								
	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: 100M Ohms/500VDC								
	EMI CONDUCTION & RADIATION	Design refer to FCC Part15 J Conduction Class B								
OTHERS	MTBF	322.4K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	199*98*38mm (L*W*H)								
	PACKING	0.65Kg; 30pcs/21.43Kg/0.0250CMB								
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.								

Mechanical Specification


Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG $\perp$		

Derating Curve

Static Characteristics (24V)
