


Features :

AC Input range selectable by switch
 Protections: Short circuit/Over load
 Cooling by free air convection
 100% full load burn-in test
 Low cost
 High reliability

MODEL		MS-100-12	MS-100-15	MS-100-24	MS-100-48
OUTPUT	DC VOLTAGE	12V	15V	24V	48V
	RATED CURRENT	8.5A	6.7A	4.5A	2A
	CURRENT RANGE	0 ~ 8.5A	0 ~ 6.7A	0 ~ 4.5A	0 ~ 2A
	RATED POWER	102W	100.5W	108W	96W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.3%	±0.3%	±0.2%	±0.2%
	LOAD REGULATION	±0.3%	±0.3%	±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.)	81%	81%	84%	84%
	AC CURRENT	2.4A/115VAC 1.2A/230VAC			
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 60A/230VAC			
PROTECTION	LEAKAGE CURRENT	<1mA / 240VAC			
	OVERLOAD	105 ~ 150% rated output power (150 ~ 200% rated output power for S-100-7.5 only) 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	159*97*38mm (L*W*H)			
	PACKING	0.444Kg; 30pcs/14.82Kg/0.0250CUFT			
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.			

