



■ Features :

- Universal AC input/Full range
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 67KHz
- 1 year warranty

SPECIFICATION

MODEL		S-10-5			S-10-12			S-10-24			
OUTPUT	DC VOLTAGE	5V			12V			24V			
	RATED CURRENT	2A			0.83A			0.41A			
	CURRENT RANGE	0 ~ 2A			0 ~ 0.83A			0 ~ 0.41A			
	RATED POWER	10W			10W			10W			
	RIPPLE & NOISE (max.) Note.2	150mVp-p			150mVp-p			200mVp-p			
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V			10.8 ~ 13.2V			22.6 ~ 26.4V			
	VOLTAGE TOLERANCE Note.3	±2.0%			±1.0%			±1.0%			
	LINE REGULATION	±1.5%			±0.5%			±0.5%			
	LOAD REGULATION	±1.5%			±0.5%			±0.5%			
	SETUP, RISE	1000ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load									
HOLD TIME (Typ.)	100ms/230VAC 20ms/115VAC at full load										
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	78%			81%			84%			
	AC CURRENT	0.35A/115VAC 0.25A/230VAC									
	INRUSH CURRENT (max.)	COLD START 20A									
	LEAKAGE CURRENT	<2mA / 240VAC									
PROTECTION	OVER LOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed									
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover									
	OVER TEMPERATURE	U1 Tj 140°C typically (U1) Detect on main control IC Protection type : Shut down o/p voltage, recovers automatically after temperature goes down									
ENVIRONMENT	WORKING TEMP.	-20 ~ +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, period for 60min. each along X, Y, Z axes									
SAFETY & EMC (Note 6)	SAFETY STANDARDS	UL60950-1, CB(IEC60950-1) Approved									
	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	Compliance to EN55022 (CISPR22) Class B									
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3									
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, criteria A									
OTHERS	MTBF	390Khrs min. MIL-HDBK-217F (25°C)									
	DIMENSION	70*40*30mm (L*W*H)									
	PACKING										
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Load regulation is measured from 0% to 100% rated load.</p> <p>6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>										