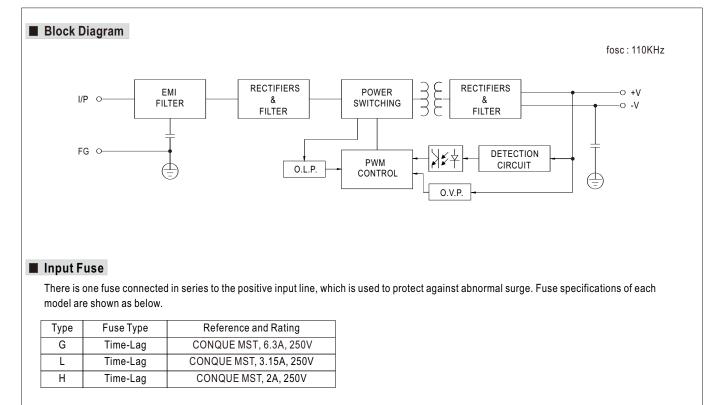


SPECIFICATION

MODEL		RSD-30H-3.3	RSD-30H-5		RSD-30H-12		RSD-30H-24	
	DC VOLTAGE	3.3V	5V		12V		24V	
OUTPUT	RATED CURRENT	6A	6A		2.5A		1.25A	
	CURRENT RANGE	0~6A	0~6A		0~2.5A		0~1.25A	
	RATED POWER	19.8W	30W		30W		30W	
	RIPPLE & NOISE (max.) Note.2	70mVp-p	70mVp-p		60mVp-p		50mVp-p	
	VOLTAGE TOLERANCE Note.3		±2.0%		±2.0%		±2.0%	
	LINE REGULATION	±0.5%	±0.5%		±0.3%		±0.2%	
	LOAD REGULATION	±0.5%	±0.5%		±0.3%		±0.2%	
	SETUP, RISE TIME	120ms, 85ms at full load						
	HOLD UP TIME (Typ.)	H-type comply with S2 level(10ms) @ full load						
INPUT	VOLTAGE RANGE CONTINUOUS							
	EFFICIENCY (Typ.)	87% 89% 89% 89%						
	DC CURRENT (Typ.)	0.23A/110V	0.35A/110V		0070		0070	
	INRUSH CURRENT (Typ.)	20A/110VDC	0.00/01100					
		105 ~ 135% rated output power						
PROTECTION	OVERLOAD OVER VOLTAGE	Protection type : Constant current limiting, recovers automatically after fault condition is removed						
			5.75 ~ 7V		1	13 Tellioveu	27.6~22.41/	
		Protection type : Shut down o/p voltage, re-power on to recover -40 ~ +55°C (no derating) ; +70°C @ 60% load by free air convection ; +70°C (no derating with external base plate)						
ENVIRONMENT SAFETY & EMC (Note 4)	WORKING TEMP.	-40 ~ +55 C (no defailing) ; +70 C (a) 60% load by free air convection ; +70 C (no defailing with external base plate) 5 ~ 95% RH non-condensing						
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	-40 ~ +85°C, 10 ~ 95% RH non-condensing						
	VIBRATION	$\pm 0.03\%^{\circ}$ C (0 ~ 50°C) 10 - 500Hz 5C 10min (1audo, 50min coch along X, X, Z avec : Mounting : compliance to ECC1272						
	SAFETY STANDARDS	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes ; Mounting : compliance to IEC61373						
	WITHSTAND VOLTAGE							
		I/P-O/P:4KVDC I/P-FG:2.5KVDC 0/P-FG:2.5KVDC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH Parameter Standard Test Level / Note						
	EMC EMISSION			Standard EN55032		Class A		
		Conducted Radiated		EN55032		Class B		
		Harmonic Current		EN6100-3-2		Class A		
		Voltage Flicker	EN6100-3-3					
		Parameter					est Level / Note	
		ESD				Level 3, \pm 8KV air ; Level 3, \pm 6KV conta		
				EN61000-4-2 EN61000-4-3		Level X		
		Radiated Field		EN61000-4-3		Level 3, 2KV at power		
		EFT / Burst		N61000-4-4				
		0				Level 4, 2KV at signal		
		Surge		N61000-4-5			V Line-Line, Level 3, 2KV Line-Eart	
		Conducted		N61000-4-6		Level 3		
	RAILWAY STANDARD	Compliance to EN45545-2 for fire protection ; EN50155 / IEC60571 including IEC61373 for shock & vibration, EN50121-3-2 for EMC						
OTHERS	MTBF	396.9K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	113*60*25mm (L*W*H) 0.25Kg; 56pcs/15Kg/0.83CUFT						
NOTE	 Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p 	Ily mentioned are measured at 110VDC input, rated load and 25°C of ambient temperature. ad at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on the with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) t external output capacitance should not exceed 5000uF.						



RSD-30 series



Input Reverse Polarity Protection

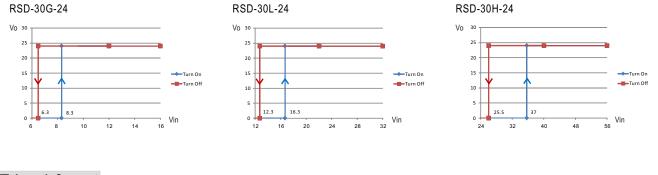
There is a MOSFET connected in series to the negative input line. If the input polarity is connected reversely, the MOSFET opens and there will be no output to protect the unit.

Input Range and Transient Ability

The series has a wide range input capability. With \pm 40% of rated input voltage, it can withstand that for 1 second.

Input Under-Voltage Protection

If input voltage drops below Vimin, the internal control IC shuts down and there is no output voltage. It recovers automatically when input voltage reaches above Vimin, please refer to the cruve below.



Inrush Current

Inrush current is suppressed by a resistor during the initial start-up, and then the resistor is bypassed by a MOSFET to reduce power consumption after accomplishing the start-up.