

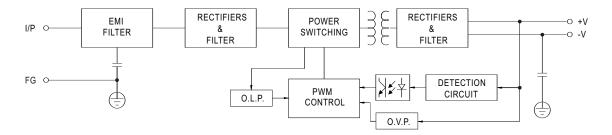
SPECIFICATION

MODEL		RSD-60H-3.3	RSD-60H-5	RSD-60H-12	RSD-60H-24	
	DC VOLTAGE	3.3V	5V	12V	24V	
ОИТРИТ	RATED CURRENT	12A	12A	5A	2.5A	
	CURRENT RANGE	0 ~ 12A	0 ~ 12A	0 ~ 5A	0 ~ 2.5A	
	RATED POWER	39.6W	60W	60W	60W	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	80mVp-p	50mVp-p	50mVp-p	
	VOLTAGE TOLERANCE Note.3	±2.0%	±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	100ms, 60ms at full load				
	HOLD UP TIME (Typ.)	H-type comply with S2 level(10ms) @ full load				
INPUT	VOLTAGE RANGE CONTINUOUS	, , , , , , , , , , , , , , , , , , ,				
	EFFICIENCY (Typ.)	87%	89%	92.5%	91.5%	
	DC CURRENT (Typ.)	0.415A/110VDC	0.62A/110V	02.070	0.1070	
	INRUSH CURRENT (Typ.)	20A/110VDC				
	INNOON CORNENT (Typ.)					
	OVERLOAD	105 ~ 135% rated output power				
PROTECTION		Protection type: Constant current limiting, recovers automatically after fault condition is removed				
	OVER VOLTAGE	4.3 ~ 4.95V				
		Protection type: Shut down o/p voltage, re-power on to recover				
	WORKING TEMP.	-40 ~ +55°C (no derating) ; +70°C @ 60% load by free air convection ; +70°C (no derating with external base plate)				
ENVIRONMENT	WORKING HUMIDITY	5 ~ 95% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: compliance to IEC61373				
	SAFETY STANDARDS	Meet IEC60950-1 (LVD)				
	WITHSTAND VOLTAGE	I/P-O/P:4KVDC I/P-FG:2.5KV	/DC O/P-FG:2.5KVD0	0		
	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	Conducted	EN55011		Class A	
		Oonducted	EN55032		Class B	
		Radiated	EN55011		Class A	
0.4.5531/.0		Naulateu	EN55032		Class B	
SAFETY & EMC (Note 4)		Harmonic Current	EN6100-3-2	2	Class A	
		Voltage Flicker	EN6100-3-3	3		
	EMC IMMUNITY	Parameter	Standard		Test Level / Note	
		ESD	EN61000-4	-2	Level 3, ±8KV air ; Level 3, ±6KV cor	
		Radiated Field	EN61000-4	-3	Level X	
		EET/D /	ENGLOSS 4	,	Level 3, 2KV at power	
		EFT / Burst	EN61000-4	-4	Level 4, 2KV at signal	
		Surge	e EN61000-4-5		Level 3,1KV Line-Line, Level 3, 2KV Line-I	
		Conducted	EN61000-4		Level 3	
	RAILWAY STANDARD	Compliance to EN45545-2 for fire protection; Meet EN50155 / IEC60571 including IEC61373 for shock & vibration, EN50121-3-2 for EN				
	MTBF	593.8K hrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	128*60*25mm (L*W*H)				
	PACKING	0.29Kg; 48pcs/14.9Kg/0.76CUFT				
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p	ally mentioned are measured at 110VDC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. to tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on atte 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) at external output capacitance should not exceed 5000uF.				



■ Block Diagram

fosc: 130KHz



■ Input Fuse

There is one fuse connected in series to the positive input line, which is used to protect against abnormal surge. Fuse specifications of each model are shown as below.

Type	Fuse Type	Reference and Rating
G	Time-Lag	CONQUE MST, 10A, 250V
L	Time-Lag	CONQUE MST, 5A, 250V
Н	Time-Lag	CONQUE MST, 2.5A, 250V

■ Input Reverse Polarity Protection

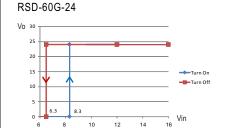
There is a MOSFET connected in series to the negative input line. If the input polarity is connected reversely, the MOSFET opens and there will be no output to protect the unit.

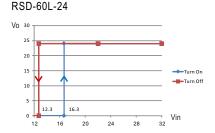
■ Input Range and Transient Ability

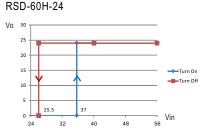
The series has a wide range input capability. With $\pm 40\%$ of rated input voltage, it can withstand that for 1 second.

■ 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.