



■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- No load power consumption<0.5W
- High efficiency, long life and high reliability

RS-50-15

• 3 years warranty



RS-50-24



RS-50-48

SPECIFICATION MODEL RS-50-3.3 RS-50-5 RS-50-12

C VOLTAGE	3.3V	5V	12V	15V	24V	48V
ATED OURDENT						101
ATED CURRENT	10A	10A	4.2A	3.4A	2.2A	1.1A
URRENT RANGE	0 ~ 10A	0 ~ 10A	0 ~ 4.2A	0 ~ 3.4A	0 ~ 2.2A	0 ~ 1.1A
ATED POWER	33W	50W	50.4W	51W	52.8W	52.8W
IPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p
OLTAGEADJ. RANGE	3V ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.2V	42 ~ 54V
OLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
INE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
OAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
ETUP, RISETIME	500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load					
IOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load					
OLTAGERANGE	88 ~ 264VAC 125~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)					
REQUENCY RANGE	47 ~ 63Hz					
FFICIENCY(Typ.)	78%	83%	84.5%	86%	88%	89%
C CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC					
NRUSH CURRENT (Typ.)	COLD START 33A/230VAC					
EAKAGE CURRENT	<2mA / 240VAC					
OVERLOAD	110 ~ 150% rated output power					
	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
OVER VOLTAGE	3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V
	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
VORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")					
VORKING HUMIDITY	20 ~ 90% RH non-condensing					
TORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
EMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
IBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
AFETY STANDARDS	UL60950-1, TUV EN60950-1 approved					
VITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
SOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25J/ 70% RH					
MC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3					
MC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61000-6-2 (EN50082-2), heavy industry level, criteria A					
ITBF	228Khrs min. MIL-HDBK-217F (25°C)					
IMENSION	99*97*36mm (L*W*H)					
ACKING	0.41Kg; 45pcs/19.5K	g/0.9CUFT				
	ATED POWER PPLE & NOISE (max.) Note.2 DLTAGEADJ. RANGE DLTAGE TOLERANCE Note.3 NE REGULATION Note.4 DAD REGULATION Note.5 ETUP, RISETIME DLD UP TIME (Typ.) DLTAGE RANGE REQUENCY RANGE FFICIENCY(Typ.) C CURRENT (Typ.) RUSH CURRENT (Typ.) EAKAGE CURRENT VERLOAD VER VOLTAGE ORKING TEMP. ORKING HUMIDITY FORAGE TEMP., HUMIDITY EMP. COEFFICIENT BRATION AFETY STANDARDS ITHSTAND VOLTAGE OLATION RESISTANCE MC EMISSION MC IMMUNITY TBF MENSION ACKING	ATED POWER BOLTAGE ANOISE (max.) Note.2 BOUTAGE ANOISE (max.) Note.2 BOUTAGE TOLERANCE Note.3 ATED POWER BOLTAGE TIME BOLTAGE ANGE BOLTAGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE BOLTAGE ANGE BOLTAGE BOLTAGE ANGE BOLTAGE BOLTAGE ANGE BOLTAGE ANGE BOLTAGE BOLTAGE	SATED POWER 33W 50W PPLE & NOISE (max.) Note.2 80mVp-p 80mVp-p DLTAGEADJ. RANGE 3V ~ 3.6V 4.75 ~ 5.5V DLTAGE TOLERANCE Note.3 ±3.0% ±2.0% NE REGULATION Note.4 ±0.5% ±0.5% DAD REGULATION Note.5 ±2.0% ±1.0% ETUP, RISE TIME 500ms, 30ms/230VAC 1200ms, 30ms DLD UP TIME (Typ.) 60ms/230VAC 14ms/115VAC at full look DLTAGERANGE 88 ~ 264VAC 125 ~ 373VDC (Withstata REQUENCY RANGE 47 ~ 63Hz FICIENCY (Typ.) 78% 83% CCURRENT (Typ.) 1.3A/115VAC 0.8A/230VAC RUSH CURRENT (Typ.) 20LD START 33A/230VAC EAKAGE CURRENT (20LD START 33A/230VAC VERLOAD 110 ~ 150% rated output power VERLOAD Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 3.8 ~ 4.45V 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 4.7 ~ 63Hz 5.75 ~ 6.75V Protection type : Hiccup mode, recovers at 4.7 ~ 63Hz 5.75 ~ 6.75V 4.7 ~ 63Hz 6.75 ~ 6.75V 5.7 ~ 6.75V 7.75 ~ 6.75V 6.7 ~ 6.75V 7.75 ~ 6.75V 7.8 ~ 6.75V 7.75 ~	SOW SO.4W SO.5W SO.4W SO.5W So.5W	ATED POWER 33W 50W 50.4W 51W	Sample S

- 4. Line regulation is measured from low line to high line at $\,$ rated load.
- 5. Load regulation is measured from 0% to 100% rated load.

 5. Load regulation is measured from 0% to 100% rated load.

 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)



