



### ■ 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  $70^{\circ}\!\text{C}$
- Withstand 5G vibration test
- \* No load power consumption<0.5W
- High efficiency, long life and high reliability
- 3 years warranty









# **SPECIFICATION**

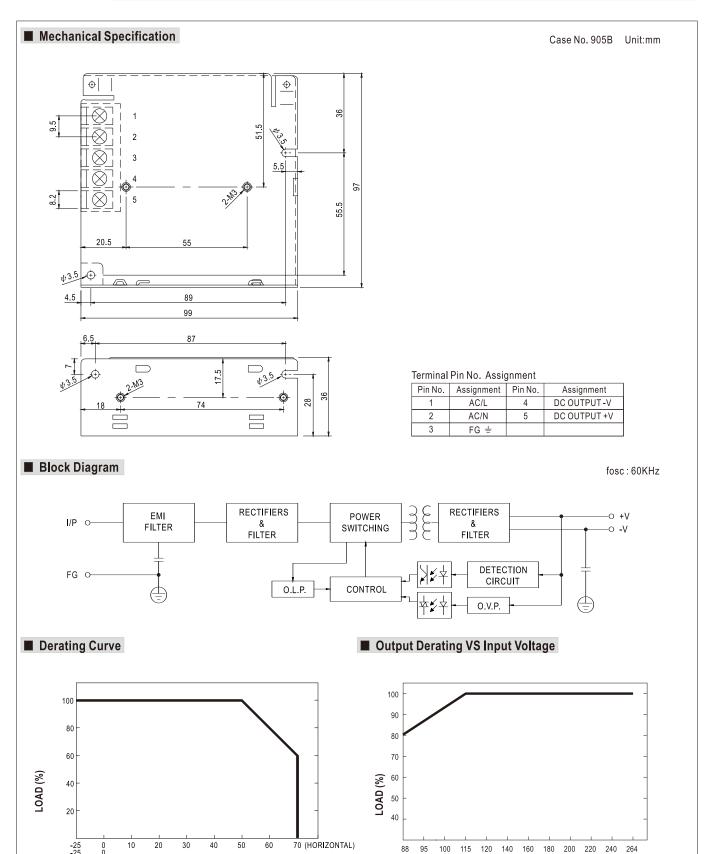
MODEL		RS-50-3.3	RS-50-5	RS-50-12	RS-50-15	RS-50-24	RS-50-48		
	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V		
	RATED CURRENT	10A	10A	4.2A	3.4A	2.2A	1.1A		
	CURRENT RANGE	0 ~ 10A	0 ~ 10A	0 ~ 4.2A	0 ~ 3.4A	0 ~ 2.2A	0 ~ 1.1A		
	RATED POWER	33W	50W	50.4W	51W	52.8W	52.8W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	3V ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.2V	42 ~ 54V		
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME	500ms, 30ms/230\	'AC 1200ms, 30	ms/115VAC at full loa	d		<u>'</u>		
	HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load							
	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)							
	FREQUENCY RANGE	47 ~ 63Hz							
INPUT	EFFICIENCY(Typ.)	78%	83%	84.5%	86%	88%	89%		
INPUT	AC CURRENT (Typ.)	1,3A/115VAC	0.8A/230VAC				<u> </u>		
	INRUSH CURRENT (Typ.)	COLD START 33A/230VAC							
	LEAKAGE CURRENT	<2mA/240VAC							
		110 ~ 150% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
PROTECTION		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17,25 ~ 20,25V	27.6 ~ 32.4V	55.2 ~ 64.8V		
	OVER VOLTAGE	Protection type : H	iccup mode, recovers	automatically after fa	ault condition is remov	ed ed	'		
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)							
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004, CCC GB4943.1 approved							
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC							
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH							
(Note 6)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, GB9254 class B, GB17625.1, EAC TP TC 020							
. ,	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020							
OTHERS	MTBF	228Khrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	99*97*36mm (L*W*H)							
	PACKING	0.41Kg; 45pcs/19.5Kg/0.9CUFT							
NOTE	All parameters NOT special     Ripple & noise are measure     Tolerance: includes set up     Line regulation is measured     Load regulation is measured     The power supply is conside	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  ed 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.  If from low line to high line at rated load.  d from 0% to 100% rated load.  ered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit or							

- a 360mm\*360mm metal plate with 1mm of thickness. 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)

  7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

AMBIENT TEMPERATURE (°C)





INPUT VOLTAGE (VAC) 60Hz

CNUS LEGISTRA CB FINE CE FINE





# ■ Features :

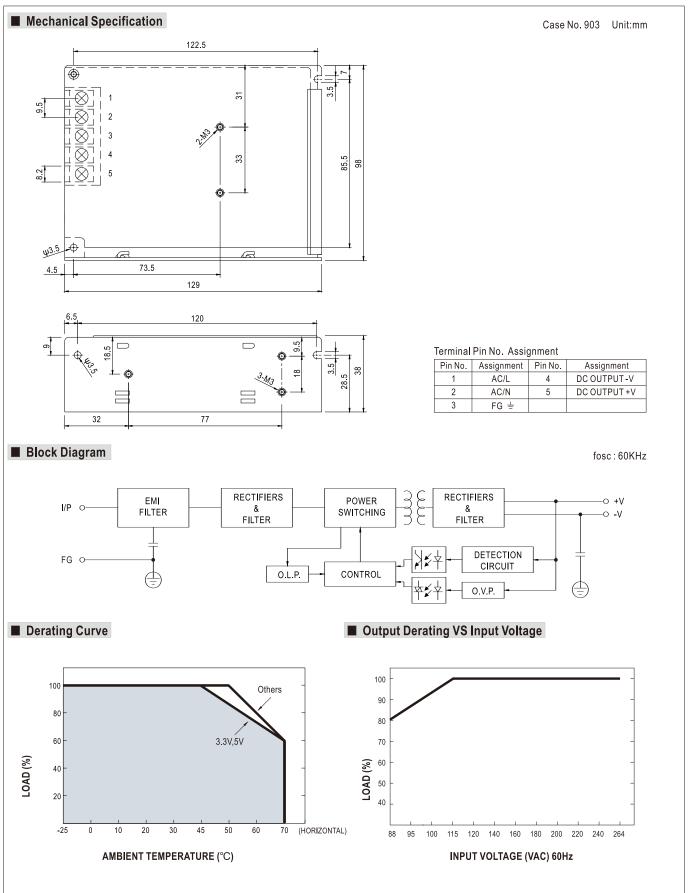
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- \* All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature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

## **SPECIFICATION**

MODEL		RS-75-3.3	RS-75-5	RS-75-12	RS-75-15	RS-75-24	RS-75-48			
	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V			
	RATED CURRENT	15A	12A	6A	5A	3.2A	1.6A			
	CURRENT RANGE	0 ~ 15A	0 ~ 12A	0 ~ 6A	0 ~ 5A	0 ~ 3.2A	0 ~ 1.6A			
	RATED POWER	49.5W	60W	72W	75W	76.8W	76.8W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p			
DUTPUT	VOLTAGE ADJ. RANGE	3V ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	42 ~ 54V			
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	500ms, 30ms/230VA	C 1200ms, 30ms	115VAC at full load						
	HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load								
	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)								
	FREQUENCY RANGE	47 ~ 63Hz								
NDUT	EFFICIENCY(Typ.)	75%	79%	84.5%	86%	88.5%	89.5%			
NPUT	AC CURRENT (Typ.)	2A/115VAC 1,2								
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC								
	LEAKAGE CURRENT	<2mA/240VAC								
PROTECTION		110 ~ 150% rated output power								
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed								
		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V			
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
ZIVINONIII ZIVI	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY &	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH								
(Note 6)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020								
ľ	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020								
OTHERS	MTBF	265Khrs min, MIL-HDBK-217F (25°C)								
	DIMENSION	129*98*38mm (L*W*H)								
	PACKING	0.41Kg; 30pcs/13.3Kg/0.86CUFT								
NOTE	Ripple & noise are measure     Tolerance : includes set up	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  ed 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.  If from low line to high line at rated load.								

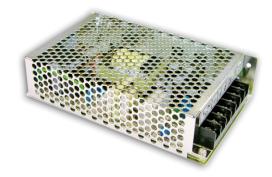
- 5. Load regulation is measured from 0% to 100% rated load.
- Coad regulation is measured from 0% to 100% rated load.
   The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm\*360mm metal plate with 1mm of thickness. 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)
   The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).







**SPECIFICATION** 



### 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<sup>o</sup> long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to  $70^{\circ}$ C
- · Withstand 5G vibration test
- · High efficiency, long life and high reliability
- 3 years warranty





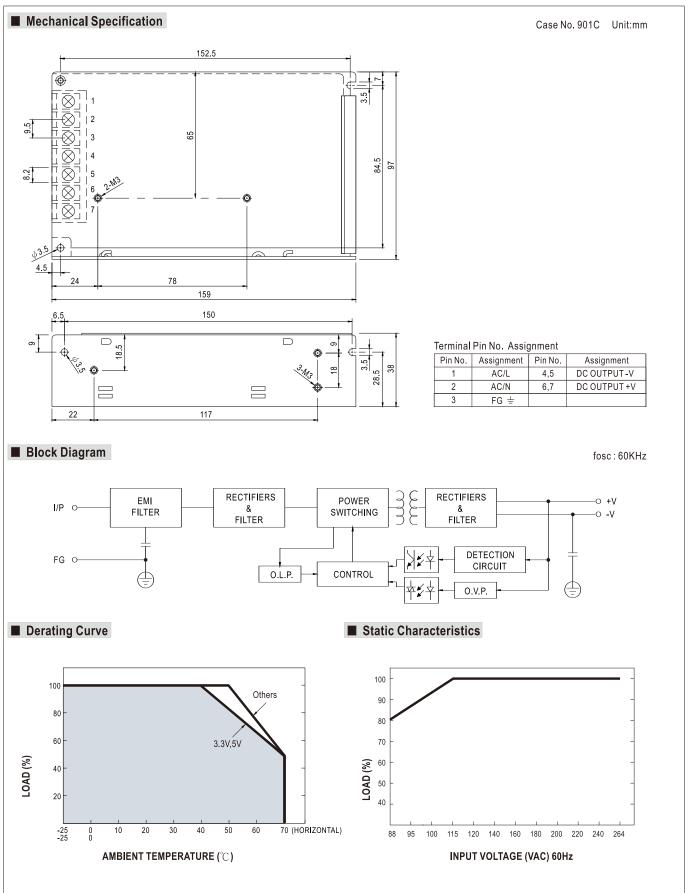


#### MODEL RS-100-5 RS-100-12 RS-100-15 RS-100-48 RS-100-3.3 RS-100-24 DC VOLTAGE 3.3V 5V 12V 15V 24V 48V RATED CURRENT 20A 16A 8.5A 7A 4.5A 2.3A **CURRENT RANGE** 0 ~ 20A 0 ~ 16A 0 ~ 8.5A 0 ~ 7A 0 ~ 4.5A 0 ~ 2.3A RATED POWER 66W 80W 102W 105W 108W 110.4W RIPPLE & NOISE (max.) Note.2 80mVp-p 80mVp-p 120mVp-p 120mVp-p 120mVp-p 200mVp-p OUTPUT **VOLTAGE ADJ. RANGE** 3.2V ~ 3.5V 4.75 ~ 5.5V 11.4 ~ 13.2V 14.25 ~ 16.5V 22.8 ~ 26.4V 45.6 ~ 52.8V **VOLTAGE TOLERANCE Note,3** ±3.0% ±2.0% ±1.0% ±1.0% ±1.0% ±1.0% LINE REGULATION ±0.5% Note 4 ±0.5% ±0.5% +0.5% ±0.5% +0.5% LOAD REGULATION Note.5 ±2.0% ±1.0% ±0.5% ±0.5% ±0.5% ±0.5% SETUP. RISE TIME 500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load HOLD UP TIME (Typ.) 95ms/230VAC 17ms/115VAC at full load **VOLTAGE RANGE** 88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage) FREQUENCY RANGE 47 ~ 63Hz EFFICIENCY (Typ.) 81% 84% 84% 74% 77% 82% INPUT AC CURRENT (Typ.) 2,5A/115VAC 1.5A/230VAC INRUSH CURRENT (Typ.) COLD START 40A/230VAC <2mA / 240VAC LEAKAGE CURRENT 110 ~ 150% rated output power OVERI OAD Protection type: Hiccup mode, recovers automatically after fault condition is removed PROTECTION 5.75 ~ 6.75V 13.8 ~ 16.2V 17.25 ~ 20.25V 27.6 ~ 32.4V 55.2 ~ 64.8V OVER VOLTAGE Protection type: Hiccup mode, recovers automatically after fault condition is removed WORKING TEMP. -25 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing WORKING HUMIDITY STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH ENVIRONMENT TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 5G 10min./1cycle, period for 60min, each along X, Y, Z axes SAFETY STANDARDS UL62368-1, TUV EN62368-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC **SAFETY &** ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH **EMC** (Note 6) **EMC EMISSION** Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020 **EMC IMMUNITY** Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 260.8Khrs min. MIL-HDBK-217F (25°C) **OTHERS** DIMENSION 159\*97\*38mm (L\*W\*H) 0.6Kg; 24pcs/15.4Kg/0.7CUFT PACKING 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. NOTE 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.

- 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.
- 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)
- 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.

  8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).









# ■ Features :

- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
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- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
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# **SPECIFICATION**



OUTPUT         VOLTAGE ADJ. RANGE         3.2V ~ 3.5V         4.75 ~ 5.5V         11.4 ~ 13.2V         14.25 ~ 16.5V         22.8 ~ 26.4V         45.6 ~ 5.7           VOLTAGE TOLERANCE Note.3         ±3.0%         ±2.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±0.5%	MODEL		RS-150-3.3	RS-150-5	RS-150-12	RS-150-15	RS-150-24	RS-150-48			
CURRENT RANGE		DC VOLTAGE	3.3V	5V	12V	15V	24V	48V			
NUTLING   Companies   Compan		RATED CURRENT	30A	26A	12.5A	10A	6.5A	3.3A			
Noting   Ripple & Noise (max.) Note.2   80mVp-p   80mVp-p   120mVp-p   120mVp-p   120mVp-p   20mVp-p   20mVp-p   120mVp-p   20mVp-p		CURRENT RANGE	0 ~ 30A	0 ~ 26A	0 ~ 12,5A		0 ~ 6.5A	0 ~ 3,3A			
OUTPUT   VOLTAGE ADJ. RANGE   3.2V - 3.5V   4.75 - 5.5V   11.4 - 13.2V   14.25 - 16.5V   22.8 - 26.4V   45.6 - 5/5   VOLTAGE TOLERANCE Note 3. 43.0%   ±2.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±1.0%   ±0.5		RATED POWER	99W	130W	150W	150W	156W	158,4W			
VOLTAGE ADJ. RANGE   3.2V - 3.5V   4.75 - 5.5V   11.4 - 13.2V   14.25 - 16.5V   22.8 - 26.4V   45.6 - 5;								200mVp-p			
VOLTAGE TOLERANCE Note 3	OUTPUT	, ,			· · ·			45.6 ~ 52.8V			
LOAD REGULATION   Notes   \$\frac{1}{2}.0%   \$\frac{1}.0%   \$\frac{1}.0.5%   \$\frac{1}.0.5		VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%							
SETUP, RISE TIME		LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
NOLIDE TIME (Typ.)   28ms/230VAC   20ms/115VAC at full load   248 - 373VDC(Withstand 300VAC surge for 5sec. Without dama   74 - 76 - 76 - 76 - 76 - 76 - 76 - 76 -		LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%			
NOTTIGE RANGE		SETUP, RISE TIME	800ms, 20ms/230VA	C 1200ms, 30ms	s/115VAC at full load	•					
FREQUENCY RANGE		HOLD UP TIME (Typ.)									
RPDITECTION   AC CURRENT (Typ.)   3A/115VAC   2A/230VAC   3A/230VAC   3A/230		VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)								
AC CURRENT (Typ.)   3A/115VAC   2A/230VAC		FREQUENCY RANGE	47 ~ 63Hz	, ( )							
AC CURRENT (Typ.) 3A/115VAC 2A/230VAC   INRUSH CURRENT (Typ.) COLD START 40A/230VAC   LEAKAGE CURRENT   <	INDUT	EFFICIENCY(Typ.)	74%	78%	83%	84%	86%	86%			
LEAKAGE CURRENT	INPUT	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC								
PROTECTION  Note.8    The content of		INRUSH CURRENT (Typ.)	COLD START 40A/230VAC								
Protection type : Hiccup mode, recovers automatically after fault condition is removed		LEAKAGE CURRENT	<2mA/240VAC								
PROTECTION  OVER VOLTAGE  OVER VOLTAGE  OVER VOLTAGE  3.8 ~ 4.45V   5.75 ~ 6.75V   13.8 ~ 16.2V   17.25 ~ 20.25V   27.6 ~ 32.4V   55.2 ~ 6 Protection type: Hiccup mode, recovers automatically after fault condition is removed  WORKING TEMP.  -25 ~ +70°C (Refer to "Derating Curve")  WORKING HUMIDITY  20 ~ 90% RH non-condensing  STORAGE TEMP., HUMIDITY  40 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT			110 ~ 150% rated output power								
OVER VOLTAGE    3,8 ~ 4,45V   5,75 ~ 6,75V   13,8 ~ 16,2V   17,25 ~ 20,25V   27,6 ~ 32,4V   55,2 ~ 6   Protection type : Hiccup mode, recovers automatically after fault condition is removed	DDOTECTION	OVERLOAD Note.8	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
WORKING TEMP25 - +70°C (Refer to "Derating Curve")  WORKING HUMIDITY	PROTECTION	OVED VOLTA OF	3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V			
WORKING HUMIDITY  20 ~ 90% RH non-condensing  STORAGE TEMP., HUMIDITY  -40 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT  ±0.03%/°C (0 ~ 50°C)  VIBRATION  10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes  SAFETY STANDARDS  UL62368-1, TUV EN62368-1, EAC TP TC 004 approved  WITHSTAND VOLTAGE  I/P-O/P;3KVAC  I/P-FG;2KVAC  O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH  EMC EMISSION  Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF  244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION  199°98"38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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.  4. Line regulation is measured from low line to high line at rated load.  5. Load regulation is measured from low line to high line at rated load.  6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supply every quickly may lead to increase of the set up time.  7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply every quickly may lead to increase of the set up time.		OVER VOLIAGE	Protection type : Hice	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
ENVIRONMENT  STORAGE TEMP., HUMIDITY  -40 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT  ±0.03%/°C (0 ~ 50°C)  VIBRATION  10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes  SAFETY STANDARDS  UL62368-1, TUV EN62368-1, EAC TP TC 004 approved  WITHSTAND VOLTAGE  I/P-O/P:3KVAC  I/P-O/P:3KVAC  I/P-G:2KVAC  O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH  EMC EMISSION  Compliance to EN55032 (CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020  EMC IMMUNITY  Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF  244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*98*38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from low line to high line at rated load. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.		WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")								
TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C)  VIBRATION 10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes  SAFETY STANDARDS UL62368-1, TUV EN62368-1, EAC TP TC 004 approved  WITHSTAND VOLTAGE I/P-O/P.3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC  ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH  EMC EMISSION Compliance to EN55032 (CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020  EMC IMMUNITY Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF 244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION 199*98*38mm (L*W*H)  PACKING 0.7Kg; 20pcs/14Kg/0.8CUFT  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. 4. Line 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. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supply very quickly may lead to increase of the set up time.		WORKING HUMIDITY	20 ~ 90% RH non-condensing								
VIBRATION  10 ~ 500Hz, 5G 10min./1cycle, period for 60min, each along X, Y, Z axes  SAFETY STANDARDS  UL62368-1, TUV EN62368-1, EAC TP TC 004 approved  WITHSTAND VOLTAGE  I/P-O/P:3KVAC  I/P-FG:2KVAC  O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH  EMC EMISSION  Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF  244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*98*38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 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. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.	ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
SAFETY &  EMC (Note 6)  SOLATION RESISTANCE  I/P-O/P; I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70% RH  EMC EMISSION  Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF  244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*98*38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 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. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.		TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)								
SAFETY &  EMC (Note 6)    I/P-O/P; 3KVAC   I/P-FG; 2KVAC   O/P-FG; 0.5KVAC     ISOLATION RESISTANCE   I/P-O/P; I/P-FG, O/P-FG; 100M Ohms / 500VDC / 25°C / 70% RH		VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes								
EMC (Note 6)    ISOLATION RESISTANCE   I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		SAFETY STANDARDS									
(Note 6)  EMC EMISSION  Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF  244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*98*38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 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. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.	SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/F	AC I/P-FG:2KVAC O/P-FG:0.5KVAC							
EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020  MTBF  244KHrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*98*38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 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. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.			I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH								
OTHERS    MTBF   244KHrs min. MIL-HDBK-217F (25°C)	(Note 6)	EMC EMISSION									
DIMENSION  199*98*38mm (L*W*H)  PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 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. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.			Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020								
PACKING  0.7Kg; 20pcs/14Kg/0.8CUFT  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. 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. 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.		MTBF	244KHrs min. MIL-HDBK-217F (25°C)								
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.  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.  6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)  7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.	OTHERS	DIMENSION	199*98*38mm (L*W*H)								
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.  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.  6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting to a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)  7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.											
circuit from becoming constant power.  9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 20th	NOTE										



