

Dimension

L * W * H

250 * 127 * 41 (1U) mm 9.84 * 5 * 1.61(1U) inch



























■ Features

- Universal AC input / Full range
- · Built-in active PFC function
- High efficiency up to 92%
- · Forced air cooling by built-in DC fan
- · Output voltage and constant current level programmable
- Built-in remote ON-OFF control / remote sense / auxiliary power / DC OK signal
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Optional conformal coating
- 5 years warranty

Applications

- · Factory control or automation apparatus
- · Test and measurement instrument
- · Laser related machine
- · Burn-in facility
- RF application

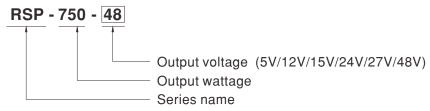
■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Description

RSP-750 is a 750W single output enclosed type AC/DC power supply. This series operates for 90~264VAC input voltage and offers the models with the DC output mostly demanded from the industry. Each model is cooled by the built-in fan with fan speed control, working for the temperature up to 70°C. Moreover, RSP-750 provides vast design flexibility by equipping various built-in functions such as the output programming, remote ON-OFF control, auxiliary power, etc.

■ Model Encoding / Order Information





SPECIFICATION

		RSP-750-5	RSP-750-12	RSP-750-15	RSP-750-24	RSP-750-27	RSP-750-48		
	DC VOLTAGE	5V	12V	15V	24V	27V	48V		
	RATED CURRENT	100A	62.5A	50A	31.3A	27.8A	15.7A		
	CURRENT RANGE	0 ~ 100A	0 ~ 62.5A	0 ~ 50A	0 ~ 31.3A	0 ~ 27.8A	0 ~ 15.7A		
	RATED POWER	500W	750W	750W	751.2W	750.6W	753.6W		
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10 ~ 13.5V	13.5 ~ 16.5V	20 ~ 26.4V	24 ~ 30V	43 ~ 55V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION	±2.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME	1000ms, 50ms at full load							
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load							
		90 ~ 264VAC 127 ~ 370VDC							
	FREQUENCY RANGE	90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz							
	POWER FACTOR (Typ.)	47 ~ 63Hz 0.97/230VAC 0.98/115VAC at full load							
NPUT	EFFICIENCY (Typ.)	82%	87%	89%	90.5%	90.5%	92%		
	AC CURRENT (Typ.)	5V : 5.6A/115VAC	2.8A/230VAC	12V~48V : 8.2A/1			92 /0		
	INRUSH CURRENT (Typ.)	25A/115VAC	40A/230VAC	12 0 3 40 0 . 0.27/1	137AC 3.3A/230	VAC			
	LEAKAGE CURRENT	<2.0mA / 240VAC	40A/230VAC						
	LEARAGE CURRENT								
	OVERLOAD	105 ~ 125% rated	<u> </u>						
		• • • • • • • • • • • • • • • • • • • •		ng, recovers automatic			500 0001		
PROTECTION	OVER VOLTAGE (OVP)	5.75 ~ 6.75V	13.8 ~ 16.8V	17 ~ 20.5V	27.6 ~ 32.4V	31 ~ 36.5V	56.6 ~ 66.2V		
	,	*.		, re-power on to recov					
	OVER TEMPERATURE		•	atically after temperatu					
	OUTPUT VOLTAGE PROGRAMMABLE(PV)	,		able to 40 ~ 110% of n	1 0				
	CONSTANT CURRENT LEVEL PROGRAMMABLE(PC)	Adjustment of constant current level is allowable to 40 ~ 110% of rated current. Please refer to the Function Manual.							
UNCTION	AUXILIARY POWER	12V @ 0.1A; tolerance: ±10%							
	REMOTE ON-OFF CONTROL	Power on : short between Remote ON-OFF(pin13) & 12V-AUX(pin14) on CN50 Power off : open between Remote ON-OFF(pin13) & 12-AUX(pin14) on CN50							
	DC OK SIGNAL	The TTL signal out, power supply turn on = $0 \sim 1V$; power supply turn off = $3.3 \sim 5.6V$							
					pply turn on = $3.3 \sim 5.6$	V			
	WORKING TEMP.	-30 ~ +70°C (Refe	r to "Derating Curve"		ppiy turn on = 3.3 ~ 5.6) V			
	WORKING TEMP. WORKING HUMIDITY	-30 ~ +70°C (Refe 20 ~ 90% RH non-	r to "Derating Curve"		ppiy turn on = 3.3 ~ 5.6) V			
NVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-	r to "Derating Curve")	pry turn on = 3.3 ~ 5.6	V			
NVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-	r to "Derating Curve" condensing 95% RH non-conden)	pry turn on = 3.3 ~ 5.6	V			
NVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5	r to "Derating Curve" condensing 95% RH non-conden 0°C))		V			
ENVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min.	sing each along X, Y, Z axe	S		.1, EAC TP TC 004 approv		
NVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min.	sing each along X, Y, Z axe BS EN/EN62368-1, CCC	S		1, EAC TP TC 004 approv		
ENVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC	r to "Derating Curve" condensing 95% RH non-conden 0°C) imin./1cycle, 60min. 12.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	sing each along X, Y, Z axe BS EN/EN62368-1, CCC	s C GB4943.1, BSMI CNS1		.1, EAC TP TC 004 approv		
ENVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC	r to "Derating Curve" condensing 95% RH non-conden 0°C) imin./1cycle, 60min. 12.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	sing each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC	s C GB4943.1, BSMI CNS1				
NVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O	r to "Derating Curve" condensing 95% RH non-conden 0°C) imin./1cycle, 60min. 12.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	sing each along X, Y, Z axe BS EN/EN62368-1, CCC 2-FG:0.5KVAC 500VDC / 25°C / 70% F Standard	s 5 GB4943.1, BSMI CNS1	14336-1, AS/NZS62368.			
NVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O. Parameter	r to "Derating Curve" condensing 95% RH non-conden 0°C) imin./1cycle, 60min. 12.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	sing each along X, Y, Z axe BS EN/EN62368-1, CCC 2-FG:0.5KVAC 500VDC / 25°C / 70% F	s GB4943.1, BSMI CNS1 RH (CISPR32)	14336-1, AS/NZS62368.			
NVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P; 3KVAC I/P-O/P, I/P-FG, O Parameter Conducted	r to "Derating Curve" condensing 95% RH non-conden 0°C) imin./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/F	sing each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C/ 70% F Standard BS EN/EN55032	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32)	14336-1, AS/NZS62368. Test Level / Not Class B			
	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	20 ~ 90% RH non- -40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren	r to "Derating Curve" condensing 95% RH non-conden 0°C) imin./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/F	sing each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000	s CGB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32)	14336-1, AS/NZS62368. Test Level / Not Class B Class B			
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	$20 \sim 90\%$ RH non- - $40 \sim +85^{\circ}\text{C}$, $10 \sim$ $\pm 0.03\%^{\circ}\text{C}$ ($0 \sim 5$ $10 \sim 500$ Hz, $2G$ 10 UL62368-1, CSA C2 I/P-O/P; I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	sing each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000 BS EN/EN61000	s CGB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2	Test Level / Not Class B Class B			
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	$20 \sim 90\%$ RH non- - $40 \sim +85^{\circ}\text{C}$, $10 \sim$ $\pm 0.03\% ^{\circ}\text{C}$ ($0 \sim 5$ $10 \sim 500\text{Hz}$, $2G$ 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035,	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	sing each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000 BS EN/EN61000 C2, CCC GB17625.1, CCC	s CGB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2	Test Level / Not Class B Class B	e		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA CZ I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000 BS EN/EN61000 C2, CCC GB17625.1, G Standard	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) (CISPR32) 0-3-2 0-3-3 6B/T9254, BSMI CNS	Test Level / Not Class B Class B 113438 Test Level / Not	e e		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000 BS EN/EN61000 BS EN/EN61000 C2, CCC GB17625.1, G Standard BS EN/EN61000	S C GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) -3-3-2 -3-3-3 6B/T9254, BSMI CNS	Test Level / Not Class B Class B 113438 Test Level / Not	e		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P: J/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN55032 BS EN/EN61000 BS EN/EN61000 Standard BS EN/EN61000 BS EN/EN61000 BS EN/EN61000	S C GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2 0-3-3 3B/T9254, BSMI CNS	Test Level / Not Class B Class B 113438 Test Level / Not Level 3, 8KV air Level 3	e e		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated EFT / Burst	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000 BS EN/EN61000 C2, CCC GB17625.1, CC	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2 0-3-3 3B/T9254, BSMI CNS 0-4-2 0-4-3 0-4-4	Test Level / Not Class B Class B 13438 Test Level / Not Level 3, 8KV air Level 3 Level 3	e ; Level 2, 4KV contact		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated EFT / Burst Surge	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2 0-3-3 3B/T9254, BSMI CNS 0-4-2 0-4-3 0-4-4	Test Level / Not Class B Class B 13438 Test Level / Not Level 3, 8KV air Level 3 Level 3 Level 4, 4KV/Line-	e ; Level 2, 4KV contact		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated EFT / Burst Surge Conducted	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2 0-3-3 BB/T9254, BSMI CNS 0-4-2 0-4-3 0-4-4 0-4-5 0-4-6	Test Level / Not Class B Class B 13438 Test Level / Not Level 3, 8KV air Level 3 Level 3 Level 3 Level 4, 4KV/Line-level 3	e ; Level 2, 4KV contact		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated EFT / Burst Surge	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 12.2 No. 62368-1, TUV I/P-FG:2KVAC O/R P-FG:100M Ohms /	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) -3-2 -3-3 -3-2 -3-4 -4-2 -4-3 -4-4 -4-5 -4-6 -4-8	Test Level / Not Class B Class B 13438 Test Level / Not Level 3, 8KV air Level 3 Level 4 Level 4 >95% dip 0.5 pei	e; Level 2, 4KV contact Earth; Level 3, 2KV/Line-L		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 12.2 No. 62368-1, TUV I/P-FG:2KVAC O/R V-FG:100M Ohms /	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000 BS EN/EN610000	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2 0-3-3 BB/T9254, BSMI CNS 0-4-2 0-4-3 0-4-5 0-4-6 0-4-6	Test Level / Not Class B Class B 13438 Test Level / Not Level 3, 8KV air Level 3 Level 3 Level 4 >95% dip 0.5 pei >95% interruptio	e; Level 2, 4KV contact Earth; Level 3, 2KV/Line-L		
SAFETY &	WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	20 ~ 90% RH non40 ~ +85°C, 10 ~ ±0.03%/°C (0 ~ 5 10 ~ 500Hz, 2G 10 UL62368-1, CSA C2 I/P-O/P:3KVAC I/P-O/P, I/P-FG, O Parameter Conducted Radiated Harmonic Curren Voltage Flicker BS EN/EN55035, Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	r to "Derating Curve" condensing 95% RH non-conden 0°C) min./1cycle, 60min. 2.2 No. 62368-1, TUV I/P-FG:2KVAC O/R P-FG:100M Ohms /	each along X, Y, Z axe BS EN/EN62368-1, CCC P-FG:0.5KVAC 500VDC / 25°C / 70% F Standard BS EN/EN55032 BS EN/EN61000	S GB4943.1, BSMI CNS1 RH (CISPR32) (CISPR32) 0-3-2 0-3-3 BB/T9254, BSMI CNS 0-4-2 0-4-3 0-4-5 0-4-6 0-4-6	Test Level / Not Class B Class B 13438 Test Level / Not Level 3, 8KV air Level 3 Level 3 Level 4 >95% dip 0.5 pei >95% interruptio	e; Level 2, 4KV contact Earth; Level 3, 2KV/Line-Li		

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.

- 2. Thiplie a holes are measured at 2001 2 of ballowidth by using a 12 twisted pail-wire terminated with a 0.1th a 47th parallel capacitor.

 3. Tolerance: includes set up tolerance, line regulation and load regulation.

 4. Derating may be needed under low input voltages. Please check the derating curve for more details.

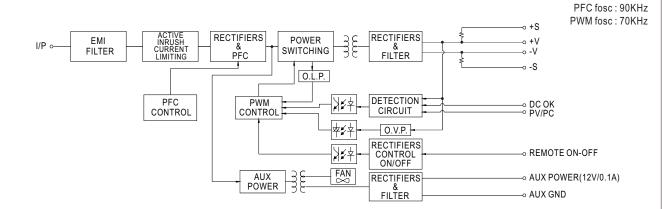
 5. There is high possibility to trigger the floating over voltage protection when PV voltage is trimmed from a high voltage level to a lower voltage level at light load or no load condition. It is suggested that turn off the power supply and set PV voltage to the lowest level, then adjust output voltage to a desired value.

6. Strongly recommended that external output capacitance should not exceed 5000uF. (Only for: RSP-750-5)

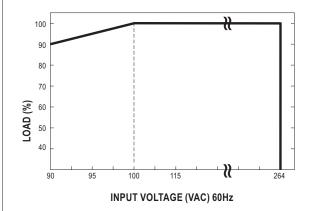
- 7. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 720mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)
- 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).
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



■ Block Diagram

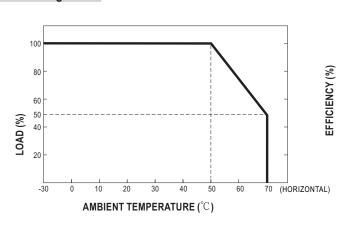


■ Static Characteristics

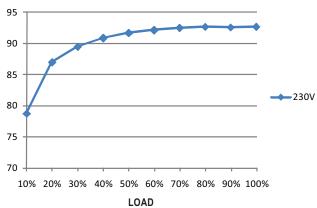


INPUT MODEL	5V	12V	15V
100~264VAC	500W	750W	750W
	100A	62.5A	50A
90VAC	450W	675W	675W
	90A	56.25A	45A
INPUT MODEL	24V	27V	48V
100~264VAC	751.2W	750.6W	753.6W
	31.3A	27.8A	15.7A
90VAC	676.08W	675.54W	678.24W
	28.17A	25.02A	14.13A

■ Derating Curve



■ Efficiency vs Load (48V Model)



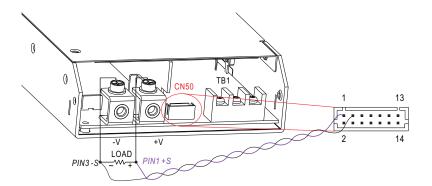
※ The curve above is measured at 230VAC.



■ Function Manual

1.Remote Sense

The remote sensing compensates voltage drop on the load wiring up to 0.5V.



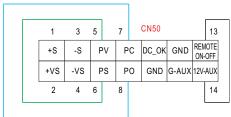
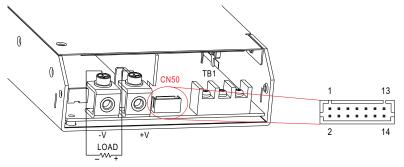


Fig 1.1

- ① The +S signal should be connected to the positive terminal of the load whereas -S signal to the negative terminal.
- © By factory default, on CN50, Remote ON-OFF (pin13) and 12V-AUX (pin14), PV(pin5) and PS (pin6), and PC (pin7) and PO (pin8, respectively, are shorted when shipped. The power supply will have no output if the shorting connector is not assembled unless certain functin needs to be activated.

2.Remote ON-OFF

※ The power supply can be turned ON/OFF by using the "Remote ON-OFF" function.



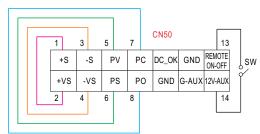


Fig 2.1

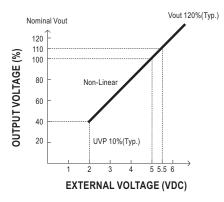
Between Remote ON-OFF(pin13) and 12V-AUX(pin14)	Power Supply Status
SW close (Short)	ON
SW open (Open)	OFF

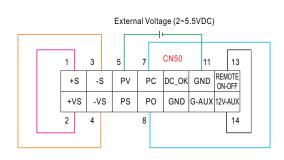
When multiple power supplies need to turn ON/OFF simultaneously by Remote ON-OFF control, -S & -V on CN50, as well as +S & +V, on each power supply should be connected.



3. Output Voltage Programming (or, PV / remote voltage programming / remote adjust / margin programming / dynamic voltage trim)

※ In addition to the adjustment via the built-in potentiometer, the output voltage can be trimmed to 40∼110% of the nominal voltage by applying EXTERNAL VOLTAGE.





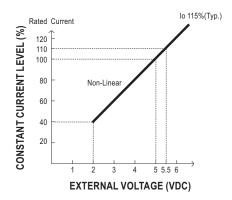
If EXTERNAL VOLTAGE (VDC) <0.5V, the power supply may enter under voltage protection; it needs to be restarted to work.

Fig 3.1

X Caution: By factory default, the Output Voltage Programming is not activated, and PV (pin5) and PS(pin6) are shorted by connector. Whenever this function is not needed to activate, as assumed in other sections' diagrams, please keep PV (pin5) and PS(pin6) shorted; other wise, the power supply will have no output.

4. Constant Current Level Programming (or, PC / remote current programming / dynamic current trim)

※ The constant current level can be trimmed to 40~110% of the rated current by applying EXTERNAL VOLTAGE.



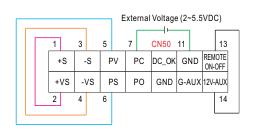
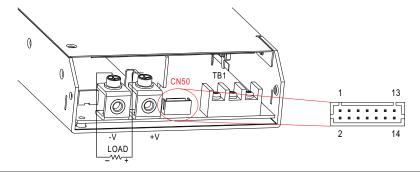


Fig 4.1

X Caution: By factory default, the Output Current Programming is not activated, and PC(pin7) and PO(pin8) are shorted by connector. Whenever this function is not needed to activate, as assumed in other sections' diagrams, please keep PC(pin7) and PO(pin8) shorted; otherwise, the power supply will have no output.

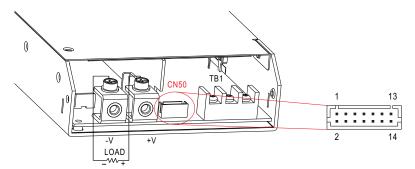




5.DC_OK signal

- * "DC_OK" is an open collector signal. It indicates the output status of the power supply. It can operate in two ways: One is sinking current from external TTL signal; the other is sending out a TTL voltage signal.
- © Sinking current from external TTL signal: The maximum sink current is 10mA and the maximum external voltage is 5.6V.
- O Sending out TTL voltage signal :

Between DC- OK(pin9) and GND(pin10&11)	Output Status
0 ~ 1V	Power supply ON
3.3 ~ 5.6V	Power supply OFF



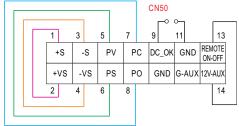
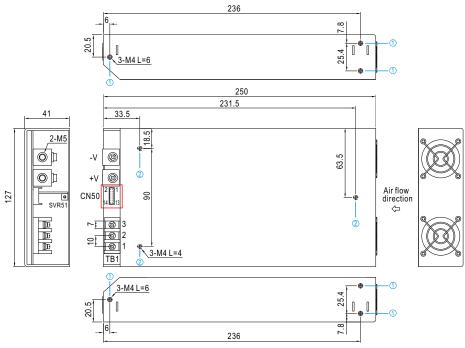


Fig 5.1



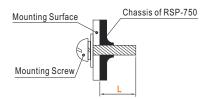
■ Mechanical Specification

Case No.212A Unit:mm



※ Mounting Instruction

Hole No.	Recommended Screw Size	MAX. Penetration Depth L	Recommended mounting torque
1	M4	6mm	7~11Kgf-cm
2	M4	4mm	7~11Kgf-cm





Mating Housing	HRS DF11-14DS or equivalent	
Terminal	HRS DF11-**SC or equivalent	

Pin No.	Function	Description		
1	+S	ositive sensing for remote sense.		
2	+VS	+V Signal. The +VS should be connected to the +S to reduce the noise when "output voltage programming" function is in use.		
3	-S	Negative sensing for remote sense.		
4	-VS	-V Signal. The -VS should be connected to the -S to reduce the noise when "output voltage programming" function is in use.		
5	PV	Connect to external DC voltage source for output voltage programming, referenced to pin 10,11 (GND).		
6	PS	Reference pin regarding output voltage programming. Please refer to the Function Manual.		
7	PC	Connect to external DC voltage source for output current programming.		
8	PO	Reference pin regarding output current programming. Please refer to the Function Manual.		
9	DC_OK	Open collector signal, referenced to pin10,11(GND). Low when PSU turns on. The maximum sink current is 10mA and the maximum external voltage is 5.6V.		
10,11	GND	These pins connect to the negative terminal (-V). Return for DC_OK Signal output.		
12	G-AUX	Auxiliary voltage output ground. The signal return is isolated from the output terminals (+V & -V).		
13		Turns the output on and off by electrical or dry contact between pin 13 (ON/OFF) and pin 14 (12V-AUX). Short: Power ON, Open: Power OFF.		
14	12V-AUX	Auxiliary voltage output, 10.8~13.2V, referenced to pin 12(G-AUX). The maximum load current is 0.1A. This output is not controlled by the "remote ON/OFF control".		





 $\frak{\mathrm{MC}}$ Input Terminal Pin No. Assignment

Pin No.	Assignment	Diagram		Maximum mounting torque
1	AC/N		0-0-0-0	
2	AC/L	888		18Kgf-cm
3	FG ±			

※DC Output Terminal Pin No. Assignment

Assignment	Diagram	Maximum mounting torque
+V, -V		10Kgf-cm

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html