

# MEAN WELL RSP-1000 Series 1000W Power Supply with Single Output Owner's Manual

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RSP - 1000 series

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**RSP-1000 Series 1000W Power Supply with Single Output** 



# **Dimension**

L*	W*	Н
295*	127*	41(1U)mm
11.6*	5*	1.61(1U) inch

# **Features**

- Universal AC input / Full range
- Built-in active PFC function
- High efficiency up to 90%
- Forced air cooling by built-in DC fan
- Output voltage programmable
- Active current sharing up to 4000W (3+1)
- 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

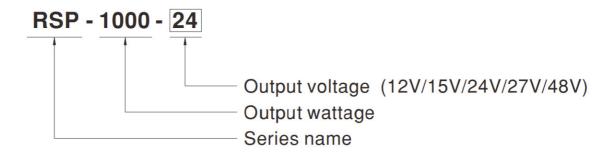
#### **GTIN CODE**

MW Search: <a href="https://www.meanwell.com/serviceGTIN.aspx">https://www.meanwell.com/serviceGTIN.aspx</a>

# Description

RSP-1000 is a 1KW single output enclosed type AC/DC power supply with 1U low profile. 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 60°C. Moreover, RSP-1000 provides vast design flexibility by equipping various built-in functions such as the output programming, active current sharing, remote ON-OFF control, auxiliary power, etc.

# **Model Encoding / Order Information**



# **SPECIFICATION**

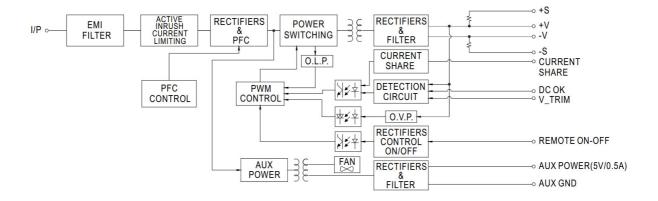
MODEL		RSP- 1000-12	RSP-1000-15	RSP-1000- 24	RSP-1000-27	RSP-1000- 48	
	DC VOLTAGE	12V	15V	24V	27V	48V	
	RATED CUR RENT	60A	50A	40A	37A	21A	
	CURRENT R ANGE	0 ~ 60A	0 ~ 50A	0 ~ 40A	0 ~ 37A	0 ~ 21A	
	RATED POW ER	720W	750W	960W	999W	1008W	
	RIPPLE & NO ISE (max.) N ote.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	
ОПТ	VOLTAGE AD J. RANGE	10 ~ 13.5V	13.5 ~ 16.5V	20 ~ 26.4V	24 ~ 30V	43 ~ 55V	
PUT	VOLTAGE TO LERANCE N ote.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGUL ATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGU LATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	300ms, 50ms at full load					
	HOLD UP TI ME (Typ.)  16ms/230VAC 16ms/115VAC at full load						
		I					

VOLTAGE RA NGE Note.4   90 ~ 264VAC   127 ~ 370VDC								
PRO TECT TION NOTICE TO SHIP T			90 ~ 264VA	90 ~ 264VAC 127 ~ 370VDC				
TOR (Typ.)  INPUT  EFFICIENCY (Typ.)  83% 85% 88% 88% 88% 90%  AC CURREN T (Typ.)  LEAKAGE C URRENT  OVERLOAD  Protection type : Constant current limiting, recovers automatically after fault condition is removed  OVER VOLTA GE  OVER VOLTA GE  OVER TEMP ERATURE  OUTPUT VO LTAGE PROGRAMM ABLE(PV)  CURRENT S HARING  AUXILIARY P OWER  ON POWER ON: Short Power OFF: open. Please refer to the Function Manual.  REMOTE SE NSE  DC OK SIGN ALL TELL Signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING T = 20 ~ +60°C (Refer to "Derating Curve")		1 17 ~ 63Hz						
Companies   Section   Se			0.95/230VA	0.95/230VAC 0.98/115VAC at full load				
T (Typ.) 12A/115VAC 6A/230VAC  INRUSH CUR RENT (Typ.) 25A/115VAC 40A/230VAC  LEAKAGE C URRENT 2.2.0mA / 240VAC  OVERLOAD Protection type : Constant current limiting, recovers automatically after fault condition is removed 13.8 ~ 16. 8V 27.6 ~ 32.4V 31 ~ 36.5V 66.6 ~ 66.2V  Protection type : Shut down o/p voltage, re-power on to recover  OVER VOLTA 8V 31.0 17 ~ 20.5V 32.4V 31 ~ 36.5V 66.2V  Protection type : Shut down o/p voltage, re-power on to recover  OVER TEMP ENATURE  OUTPUT VO LTAGE PROGRAMM ABLE(PV)  CURRENT S HARING  FUN OWER  ON REMOTE ON OVER ON. 5V @ 0.5A (+5%, -8%)  PUN OWER  ON ON OFF CONTR OL  ON O		<b>1</b> F   \						
RENT (Typ.)  LEAKAGE C URRENT  OVERLOAD  OVERLOAD  105 ~ 125% rated output power  Protection type : Constant current limiting, recovers automatically after fault condition is removed  OVER VOLTA GE  OVER VOLTA GE  OVER TEMP ERATURE  OUTPUT VO LTAGE PROGRAMM ABLE(PV)  CURRENT S HARING  AUXILIARY POWER  OVER ON SOLUTION  OFF CONTR OL  OCH TEMP Shut down o/p voltage, recovers automatically after temperature goes down  AUXILIARY POWER  OVER TEMP POWER  OUTPUT VO LTAGE PROGRAMM Please refer to the Function Manual.  FUN CTI ON  FUN CTI ON  OFF CONTR OL  OCH TEMP Shut down o/p voltage, recovers automatically after temperature goes down  AUXILIARY POWER  OUTPUT VO LTAGE PROGRAMM Please refer to the Function Manual.  FUN CTI ON  OFF CONTR OL  OCH TEMP STANDARD POWER ON: short Power OFF: open. Please refer to the Function Manual.  OCH COK SIGN  The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING T EMP.  WORKING H UMIDITY  OVER TEMP.  OVER 12.5% rated output power  Protection type: Constant current limiting, recovers automatically after temperature goes down  31 ~ 36.5V 31 ~ 36.5V 66.2V  66.2V  Protection type: Shut down o/p voltage, re-power on to recover  Adjustment of output voltage is allowable to 40 ~ 110% of nominal output voltage.  Please refer to the Function Manual.  Please refer to the Function Manual.  OCH SIGN  The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING T EMP.  WORKING H UMIDITY  OVER TEMP.  OVER TEMP Protection type: Constant current limiting, recovers automatically after temperature goes down  11 ~ 20 ~ 90% RH non-condensing								
URRENT    C2.0mA / 240VAC			25A/115VAC	0 40A/230VAC				
OVERLOAD  Protection type: Constant current limiting, recovers automatically after fault condition is removed  OVER VOLTA GE  OVER VOLTA GE  OVER TEMP ERATURE  OUTPUT VO LTAGE PROGRAMM ABLE(PV)  FUN CTI ON  REMOTE ON-OFF CONTR OLE ONE OFF CONTR OLE ONE OLE ONE OFF CONTR OLE ONE ONE OLE			<2.0mA / 24	0VAC				
PRO TEC TIO N    13.8 ~ 16.   8V   17 ~ 20.5V   27.6 ~ 32.4V   31 ~ 36.5V   56.6 ~ 66.2V			105 ~ 125%	rated output power				
TEC TIO N  OVER VOLTA GE  13.8 ~ 16. 8V  17 ~ 20.5V  27.6 ~ 32.4V  31 ~ 36.5V  56.6 ~ 66.2V  Protection type: Shut down o/p voltage, re-power on to recover  OVER TEMP ERATURE  OUTPUT VO LTAGE PROGRAMM ABLE(PV)  CURRENTS HARING  AUXILIARY POWER  OUTPUT OCTION  FUN CTION  FUN	PRO	OVERLOAD	1	pe : Constant current lim	iting, recovers	s automatically after faul	t condition is	
OVER TEMP ERATURE  OVER TEMP ERATURE  Shut down o/p voltage, recovers automatically after temperature goes down  OUTPUT VO LTAGE PROGRAMM ABLE(PV)  CURRENT S HARING  AUXILIARY P OWER  ON  REMOTE ON-OFF CONTR OL  REMOTE SE NSE  DC OK SIGN AL  DC OK SIGN AL  WORKING T EMP.  WORKING T EMP.  WORKING H UMOND World (Refer to "Derating Curve")  Photographic processing automatically after temperature goes down  Adjustment of output voltage, recovers automatically after temperature goes down  Adjustment of output voltage is allowable to 40 ~ 110% of nominal output voltage. Please refer to the Function Manual.  Please refer to the Function Manual.  Power ON: short Power OFF: open. Please refer to the Function Manual.  DC OK SIGN The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING T 20 ~ +60°C (Refer to "Derating Curve")	TEC TIO			17 ~ 20.5V		31 ~ 36.5V	1	
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LTAGE PROGRAMM ABLE(PV)  CURRENT S HARING  AUXILIARY P OWER  OL  REMOTE ON OFF CONTR OL  REMOTE SE NSE  NSE  COmpensate voltage drop on the load wiring up to 0.5V. Please refer to the Function Manual.  DC OK SIGN AL  WORKING T EMP.  WORKING H UMIDITY  Adjustment of output voltage is allowable to 40 ~ 110% of nominal output voltage. Please refer to the Function Manual.  Please refer to the Function Manual.  Power OFF: open. Please refer to the Function Manual.  OL  Prower OFF: open. Please refer to the Function Manual.  OL  Prower OFF: open. Please refer to the Function Manual.  OL  REMOTE SE NSE  Compensate voltage drop on the load wiring up to 0.5V. Please refer to the Function Manual.  DC OK SIGN AL  WORKING T EMP.  VORKING H UMIDITY  OL  AUXILIARY P OWER  OL  OL  OL  OL  OL  OL  OL  OL  OL  O			Shut down o/p voltage, recovers automatically after temperature goes down					
HARING  HARING  Up to 4000W or (3+1) units. Please refer to the Function Manual.  AUXILIARY P OWER  5V @ 0.5A (+5%, -8%)  REMOTE ON- OFF CONTR OL  REMOTE SE Compensate voltage drop on the load wiring up to 0.5V. Please refer to the Function Manual.  DC OK SIGN AL  The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING H UMIDITY  20 ~ 90% RH non-condensing		LTAGE PROGRAMM						
OWER  OWER  OWER  SV @ 0.5A (+5%, -8%)  REMOTE ON- OFF CONTR OL  REMOTE SE NSE  Compensate voltage drop on the load wiring up to 0.5V. Please refer to the Function Manual.  DC OK SIGN AL  The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING H UMIDITY  SV @ 0.5A (+5%, -8%)  Power OFF: open. Please refer to the Function Manual.  Power OFF: open. Please refer to the Functio			Up to 4000V					
OFF CONTR OL  Power ON: short Power OFF: open. Please refer to the Function Manual.  REMOTE SE NSE  Compensate voltage drop on the load wiring up to 0.5V. Please refer to the Function Manual.  DC OK SIGN AL  The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  WORKING H UMIDITY  20 ~ 90% RH non-condensing			5V @ 0.5A (					
NSE  DC OK SIGN AL  The TTL signal out, PSU turn on = 0 ~ 1V; PSU turn off = 3.3 ~ 5.6V. Please refer to the Function Manual.  WORKING T EMP.  -20 ~ +60°C (Refer to "Derating Curve")  WORKING H UMIDITY  20 ~ 90% RH non-condensing	ON	OFF CONTR	Power ON: short Power OFF: open. Please refer to the Function Manual.  Compensate voltage drop on the load wiring up to 0.5V. Please refer to the Function M					
AL Function Manual.  WORKING T EMP.  -20 ~ +60°C (Refer to "Derating Curve")  WORKING H UMIDITY  20 ~ 90% RH non-condensing								
WORKING H UMIDITY  20 ~ +60°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing			_		~ 1V ; PSU tu	rn off = 3.3 ~ 5.6V. Plea	se refer to the	
UMIDITY 20 ~ 90% RH non-condensing			-20 ~ +60°C	(Refer to "Derating Curv	e")			
ENV			20 ~ 90% RI	H non-condensing				
	ENV							

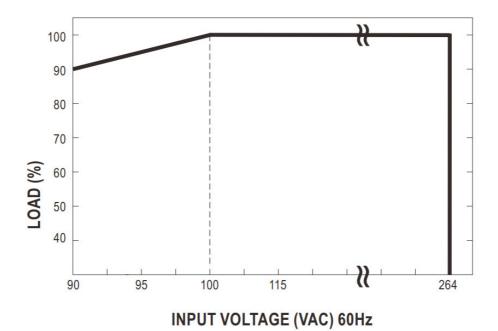
IRO NM ENT	STORAGE T EMP., HUMID ITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing						
	TEMP. COEF FICIENT	±0.02%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
	SAFETY STA NDARDS	·	No. 62368-1, TUV BS EN/EN62368-1, 368.1, IS13252(Part1)/IEC60950-1, E	•				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2K	VAC O/P-FG:0.5KVAC					
	ISOLATION R ESISTANCE	I/P-O/P, I/P-FG, O/P-FG:1	00M Ohms / 500VDC / 25°C/ 70% RI	1				
		Parameter	Standard	Test Level / Note				
		Conducted	BS EN/EN55032 (CISPR32)	Class B				
	EMC EMISSI ON	Radiated	BS EN/EN55032 (CISPR32)	Class A				
		Harmonic Current	BS EN/EN61000-3-2	_				
SAF		Voltage Flicker	BS EN/EN61000-3-3	_				
ETY & E		BS EN/EN55035, BS EN/	/EN61000-6-2, CCC GB17625.1, GB/	T9254, BSMI CNS13438				
MC		Parameter	Standard	Test Level / Note				
(Not e 5)		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact				
(Not		ESD Radiated		Level 3, 8KV air ; Level				
(Not			BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact				
(Not	EMC IMMUNI TY	Radiated	BS EN/EN61000-4-2 BS EN/EN61000-4-3	Level 3, 8KV air ; Level 2, 4KV contact Level 3				
(Not		Radiated EFT / Burst	BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Level 3, 8KV air ; Level 2, 4KV contact  Level 3  Level 3  Level 4, 4KV/Line-Eart h; Level 3, 2KV/Line-Li				
(Not		Radiated  EFT / Burst  Surge	BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5	Level 3, 8KV air ; Level 2, 4KV contact  Level 3  Level 3  Level 4, 4KV/Line-Eart h ; Level 3, 2KV/Line-Line				
(Not		Radiated  EFT / Burst  Surge  Conducted	BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5  BS EN/EN61000-4-6	Level 3, 8KV air ; Level 2, 4KV contact  Level 3  Level 3  Level 4, 4KV/Line-Eart h ; Level 3, 2KV/Line-Line  Level 3				
(Not		Radiated  EFT / Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions	BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5  BS EN/EN61000-4-6  BS EN/EN61000-4-8	Level 3, 8KV air ; Level 2, 4KV contact  Level 3  Level 3  Level 4, 4KV/Line-Eart h ; Level 3, 2KV/Line-Li ne  Level 3  Level 4  >95% dip 0.5 periods, 30% dip 25 peniods, >95% interruptions 250 periods				
(Not	TY	Radiated  EFT / Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  939.4K hrs min. Telcore	BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5  BS EN/EN61000-4-6  BS EN/EN61000-4-8  BS EN/EN61000-4-11	Level 3, 8KV air; Level 2, 4KV contact  Level 3  Level 3  Level 4, 4KV/Line-Eart h; Level 3, 2KV/Line-Li ne  Level 3  Level 4  >95% dip 0.5 periods, 30% dip 25 peniods, >95% interruptions 250 periods				
(Not	MTBF	Radiated  EFT / Burst  Surge  Conducted  Magnetic Field  Voltage Dips and Interruptions  939.4K hrs min. Telcord 5°C)	BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5  BS EN/EN61000-4-6  BS EN/EN61000-4-8  BS EN/EN61000-4-11	Level 3, 8KV air; Level 2, 4KV contact  Level 3  Level 3  Level 4, 4KV/Line-Eart h; Level 3, 2KV/Line-Li ne  Level 3  Level 4  >95% dip 0.5 periods, 30% dip 25 peniods, >95% interruptions 250 periods				

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambi ent 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. Derating may be needed under low input voltages. Please check the derating curve for more details.
- NOT E
- 5. The power supply is considered a component which will be installed into a final equipment. All the EM C 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 <a href="http://www.meanwell.com">http://www.meanwell.com</a>)
- 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan m odels for operating altitude higher than 2000m(6500ft).
- \* Product Liability Disclaimer For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a>

# **Block Diagram**

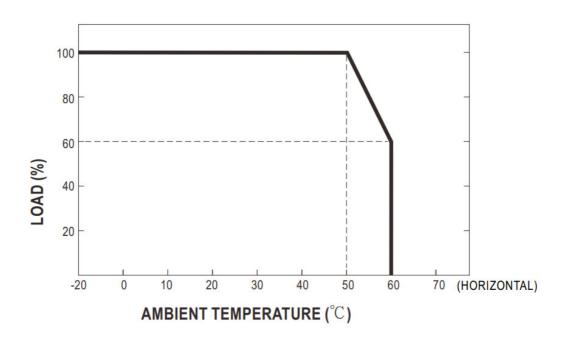


#### **Static Characteristic**

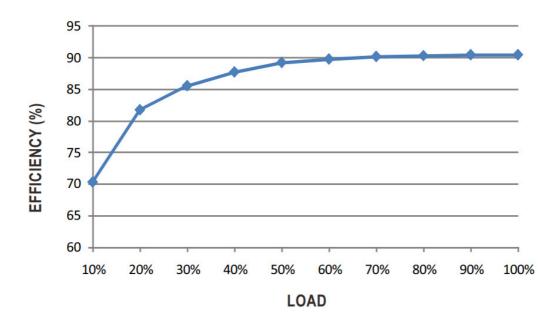


INPUT/ MODEL	12V	15V	24V	27V	48V
100~264VAC	720W	750W	960W	999W	1008W
	60A	50A	40A	37A	21A
90VAC	648W	675W	864W	899.1W	907.2W
	54A	45A	36A	33.3A	18.9A

# **Derating Curve**



# Efficiency vs Load (48V Model)

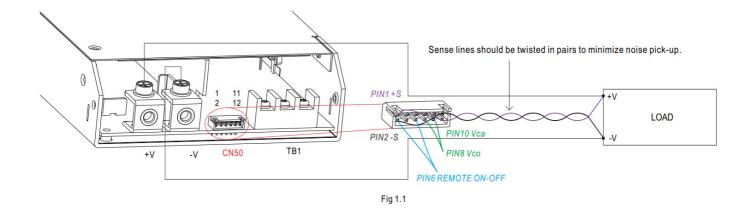


\* The curve above is measured at 230VAC.

# **Function Manual**

# 1.Remote Sense

\* The Remote Sense compensates voltage drop on the load wiring up to 0.5V

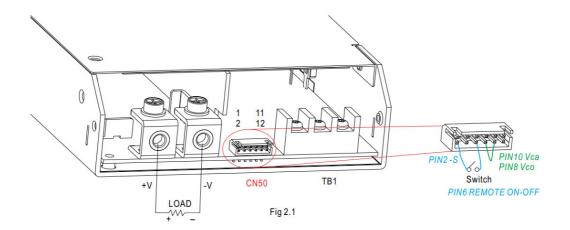


- ⊚ The +S signal should be connected to the positive terminal of the load whereas -S signal to the negative terminal.
- ⊚ This configuration is based on the assumption the Output Voltage Programming is not activated and power supply is ON.

# 2.Remote ON-OFF Control

\* The power supply can be turned ON-OFF indivicluaaly or along with other units by using the "Remote ON-OFF" function.

Between Remote ON-OFF (pin6) and -S(pin2)	Power Supply Status
Switch Short	ON
Switch Open	OFF

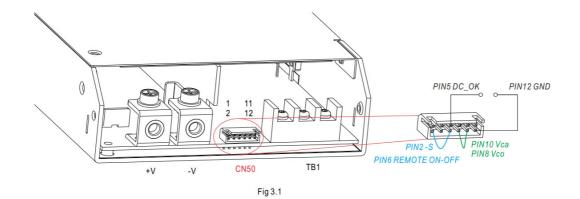


- ⊚ The power supply is shipped, by factory default, with Remote ON-OFF(pin6) and -S(pin2) shorted by connector.
- $\odot$  When multiple power supplies need to turn ON/OFF simultaneously by Remote ON-OFF control, -S & -V, as well as +S & +V, on each power supply should be connected.

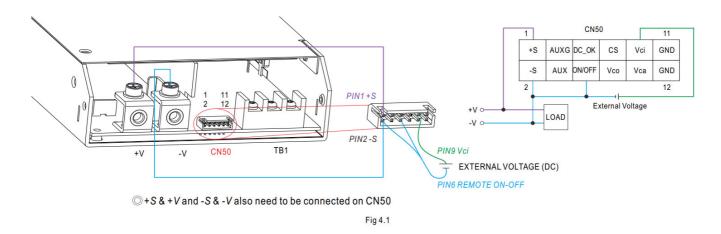
#### 3.DC\_OK signal

- \* "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.
- Sending out TTL voltage signal :

Between DC- OK(pin5) and GND(pin11&12)	Output Status
0 ~ 1V	ON
3.3 ~ 5.6V	OFF



- 4. 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 either an EXTERNAL VOLTAGE or an EXTERNAL RESISTANCE.
- (1) Applying EXTERNAL VOLTAGE between "Vci" (pin9) and "-S" (pin2) as shown in Fig4.1



- (2) Applying EXTERANL RESISTANCE as shown in Fig4.2 & Fig 4.3
- (A) Output voltage goes down

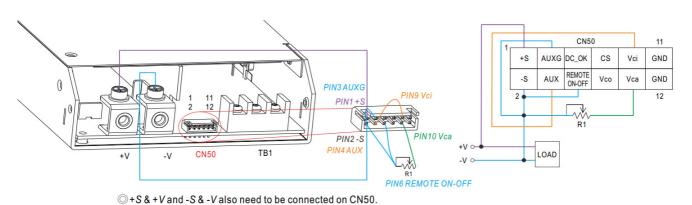
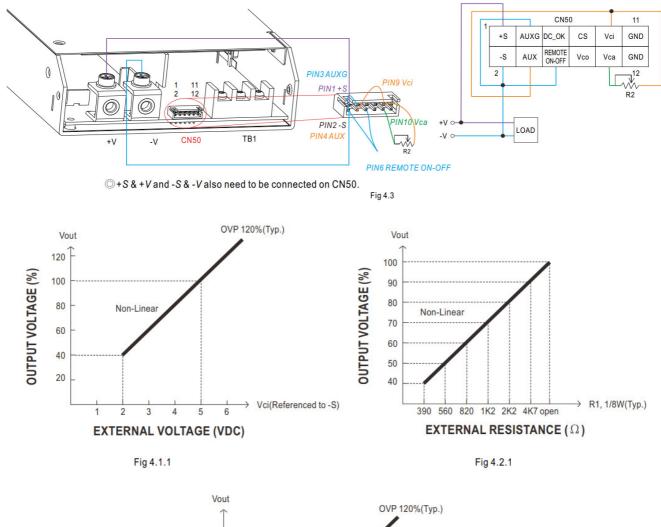


Fig 4.2

(B)Output voltage goes up



OVP 120%(Typ.)

Non-Linear

105

Non-Linear

Non-Linear

107

R2, 1/8W(Typ.)

EXTERNAL RESISTANCE (Ω)

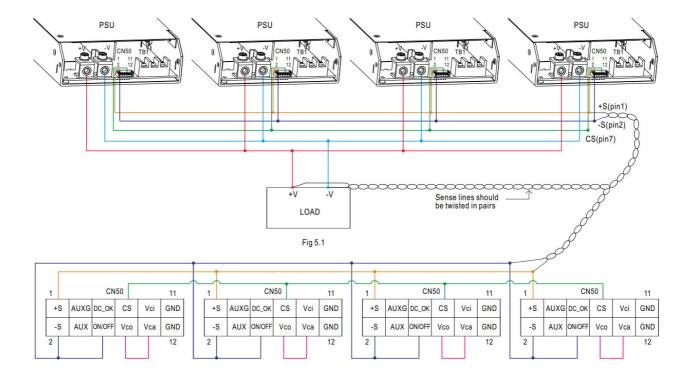
Fig 4.3.1

\* Caution: By factory default, the Output Voltage Programming is not activated, and Vco (pin8) and Vca(pin10) are shorted by connector. Whenever this function is not needed to activate, as assumed in other sections' diagrams, please keep Vco(pin8) and Vca(pin10) shorted; other wise, the power supply will have no output.

#### 5. Current Sharing with Remote Sense

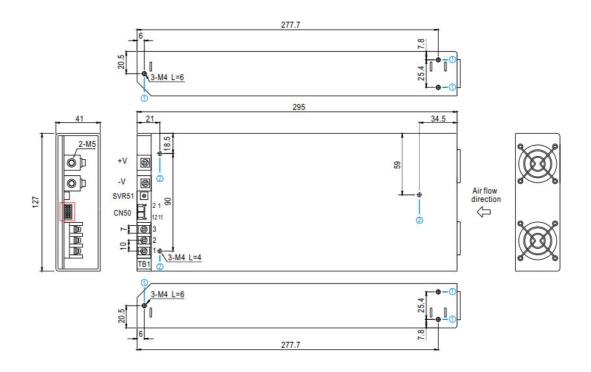
RSP-1000 has the built-in active current sharing function and can be connected in parallel, up to 4 units, to provide higher output power as exhibited below:

- \*The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- \* Difference of output voltages among parallel units should be less than 0.2V.
- \* The total output current must not exceed the value determined by the following equation: Maximum output current at parallel operation=(Rated current per unit)×(Number of unit)×0.9
- \* When the total output current is less than 5% of the total rated current, or say (5% of Rated current per unit) × (Number of unit) the current shared among units may not be fully balanced.



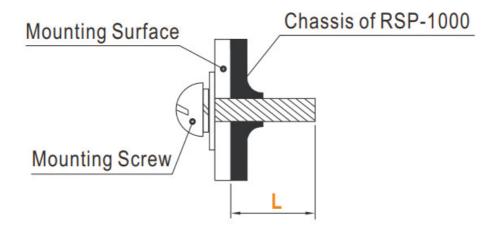
⊚+S,-S and CS are connected mutually in parallel.

# **Mechanical Specification**

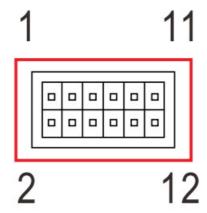


# \* Mounting Instruction

Hole No	Recommended Screw Si ze	MAX. Penetration Depth <b>L</b>	Recommended mounting torque
1	M4	6mm	7~11Kgf-cm
2	M4	4mm	7~11Kgf-cm



\*Control Pin No. Assignment (CN50): HRS DF11-12DP-2DS or equivalent



Mating Housing	HRS DF11-12DS or equivalent
Terminal	HRS DF11-**SC or equivalent

Pin No.	Fun ctio n	Description
1	+S	Positive sensing for remote sense.
2	-S	Negative sensing for remote sense.
3	G-A UX	Auxiliary voltage output ground.  The signal return is isolated from the output terminals (+V & -V).
4	5V-A UX	Auxiliary voltage output, 4.6~5.25V, referenced to pin 3(G-AUX). The maximum load current is 0.5A. This output has the built-in oring diodes and is not controlled by the "remote ON/OFF control".
5	DC_ OK	Open collector signal, referenced to pin11,12(GND). Low when PSU turns on. The maximum sink current is 10mA and the maximum external voltage i s 5.6V.
6	Rem ote ON- OFF	Turns the output on and off by electrical or dry contact between pin 6 (Remote ON-OFF) and pin 2 (-S). Short: Power ON, Open: Power OFF.
7	cs	Current sharing signal. When units are connected in parallel, the CS pins of the units should be c onnected to allow current balance between units.
8	Vco	Short connecting between Vco (pin8) and Vca (pin10) if output voltage programming function is n ot activated.
9	Vci	Connect to external DC voltage source for output voltage programming, referenced to pin 2 (-S).
10	Vca	Connect to external resistor (1/8W) for output voltage programming.
11,1 2	GN D	These pins connect to the negative terminal (-V). Return for DC_OK Signal output.

# \*AC Input Terminal Pin No. Assignment

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

# 

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

# **Installation Manual**

Please refer to : <a href="http://www.meanwell.com/manual.html">http://www.meanwell.com/manual.html</a>

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UL62368-1

BS EN/EN62368-1 GB4943.1



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#### **Documents / Resources**



MEAN WELL RSP-1000 Series 1000W Power Supply with Single Output [pdf] Owner's Manual

RSP-1000 Series 1000W Power Supply with Single Output, RSP-1000 Series, 1000W Power Supply with Single Output, Supply with Single Output, Single Output

# References

• MEAN WELL Switching Power Supply Manufacturer

Manuals+,