



Dimension					
L	*	W	*	H	
278	*	127	*	83.5(2U)	mm
10.9	*	5	*	3.29(2U)	inch



## ■ Features

- Universal AC input / Full range
- Built-in active PFC function
- High efficiency up to 91%
- Forced air cooling by built-in DC fan
- Output voltage programmable
- Active current sharing up to 6000W (3+1)
- Built-in remote ON-OFF control / remote sense / auxiliary power / power 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
- Digital broadcasting
- RF application

## ■ GTIN CODE

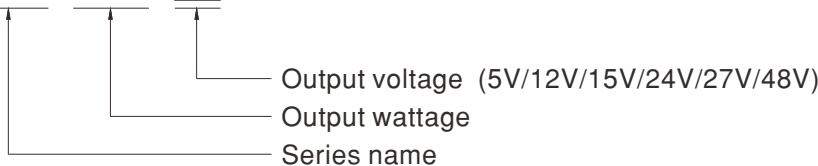
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

## ■ Description

RSP-1500 is a 1.5KW 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 working for the temperature up to 70°C. Moreover, RSP-1500 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

**RSP - 1500 - 48**





SPECIFICATION

MODEL		RSP-1500-5	RSP-1500-12	RSP-1500-15	RSP-1500-24	RSP-1500-27	RSP-1500-48	
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	27V	48V	
	RATED CURRENT	240A	125A	100A	63A	56A	32A	
	CURRENT RANGE	0 ~ 240A	0 ~ 125A	0 ~ 100A	0 ~ 63A	0 ~ 56A	0 ~ 32A	
	RATED POWER	1200W	1500W	1500W	1512W	1512W	1536W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V	10 ~ 13.5V	13.5 ~ 16.5V	20 ~ 26.4V	24 ~ 30V	43 ~ 56V	
	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	1500ms, 100ms at full load						
HOLD UP TIME (Typ.)	10ms at full load			14ms at full load		16ms at full load		
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	0.95/230VAC		0.98/115VAC at full load				
	EFFICIENCY (Typ.)	80%	87%	87%	90%	90%	91%	
	AC CURRENT (Typ.)	17A/115VAC		8A/230VAC				
	INRUSH CURRENT (Typ.)	30A/115VAC		60A/230VAC				
	LEAKAGE CURRENT	<2.0mA / 240VAC						
PROTECTION	OVERLOAD Note.4	105 ~ 135% rated output power Protection type : Constant current limiting unit will shut down o/p voltage after 5sec. Re-power on to recover						
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.8V	17 ~ 20.5V	27.6 ~ 32.4V	31 ~ 36.5V	57.6 ~ 67.2V	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down						
FUNCTION	OUTPUT VOLTAGE PROGRAMMABLE(PV)	Adjustment of output voltage is allowable to 70 ~ 100% of nominal output voltage. Please refer to the Function Manual.						
	CURRENT SHARING	Up to 6000W or (3+1) units. Please refer to the Function Manual.						
	AUXILIARY POWER	12V@0.1A(Only for Remote ON-OFF control)						
	REMOTE ON-OFF CONTROL	Please see the Function Manual.						
	REMOTE SENSE	Compensate voltage drop on the load wiring up to 0.3V. Please refer to the Function Manual.						
	ALARM SIGNAL OUTPUT	Power OK signal. Please see the Function Manual.						
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, BSMI CNS14336-1, AS/NZS62368.1, 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	Parameter	Standard				Test Level / Note	
		Conducted	BS EN/EN55032 (CISPR32)				Class B	
		Radiated	BS EN/EN55032 (CISPR32)				Class A	
		Harmonic Current	BS EN/EN61000-3-2				-----	
		Voltage Flicker	BS EN/EN61000-3-3				-----	
	EMC IMMUNITY	BS EN/EN55024, BS EN/EN61000-6-2, BSMI CNS13438						
		Parameter	Standard				Test Level / Note	
ESD		BS EN/EN61000-4-2				Level 3, 8KV air ; Level 2, 4KV contact		
Radiated		BS EN/EN61000-4-3				Level 3		
EFT / Burst		BS EN/EN61000-4-4				Level 3		
Surge		BS EN/EN61000-4-5				Level 3, 2KV/Line-Earth ; Level 2, 1KV/Line-Line		
Conducted		BS EN/EN61000-4-6				Level 3		
Magnetic Field		BS EN/EN61000-4-8				Level 4		
Voltage Dips and Interruptions	BS EN/EN61000-4-11				>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
OTHERS	MTBF	814.4K hrs min. Telcordia SR-332 (Bellcore) ; 90.4K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	278*127*83.5mm (L*W*H)						
	PACKING	3.0Kg; 4pcs/13Kg/1.19CUFT						
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltages. Please check the derating curve for more details.</p> <p>5. 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 <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</p> <p>6. 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).</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a></p>							