



■ Features :

- Universal AC input/Full range
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- 100% full load burn-in test
- Fix switching frequency at 100KHz
- 3 years warranty

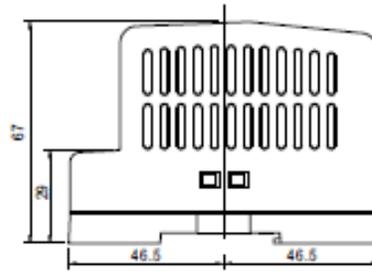


SPECIFICATION

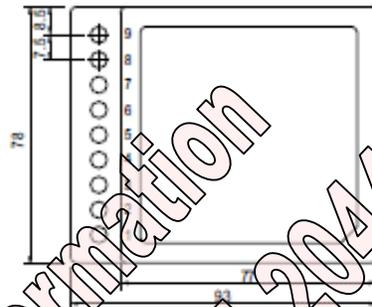
MODEL	DR-4505	DR-4512	DR-4515	DR-4524	
OUTPUT	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	5A	3.5A	2.8A	2A
	CURRENT RANGE	0~ 5A	0~3. 5A	0~ 2.8A	0~ 2A
	RATED POWER	25W	42W	42W	48W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10.8 ~ 13.2V	15 ~ 16.5V	21 ~ 26.4V
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME	800ms, 60ms/230VAC at full load			
HOLD TIME (Typ.)	100ms/230VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 370VAC		
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	72%			80%
	AC CURRENT (Typ.)	1.5A/115VAC	0.75A/120VAC		
	INRUSH CURRENT (Typ.)	COLD START 28A/115VAC 56A/230VAC			
	LEAKAGE CURRENT	<1mA / 240VAC			
PROTECTION	OVER LOAD	105 ~ 120% rated output power Protection type: Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 15.2V	17.25 ~ 20.25V	27.6 ~ 32.4V
	OVER TEMPERATURE	Protection type: Typically (U1) Detection near sink of power transistor Protection type: Shut down on over-temperature, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	-10 ~ +50°C (Refer to output load regulating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP./HUMIDITY	-20 ~ +85°C, 10 ~ 90% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0.03%/°F)			
SAFETY & EMC (Note 4)	VIBRATION	10 ~ 500Hz, 2.5mm/s ² /1cycle, period for 60min. each along X, Y, Z axes			
	SAFETY STANDARDS	UL508, CE, EN60950-1 Approved			
	WITHSTAND VOLTAGE	I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	ISOLATION RESISTANCE	I/P-FG, O/P-FG: 100M Ohms/500VDC			
	EMI CONDUCTION & RADIATION	Compliance to EN55011, EN55022 (CISPR22) Class B			
OTHERS	HARMONIC CURRENT	Compliance to EN61000-3-2, -3			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A			
	MTBF	364.6K hrs min. MIL-HDBK-217F (25°C)			
NOTE	DIMENSION	93*78*67mm (L*W*H)			
	PACKING	0.31Kg; 48pcs/16.1Kg/1.3CUFT			
<p>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. 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.</p>					

Mechanical Specification

Case No. 918A Unit:mm



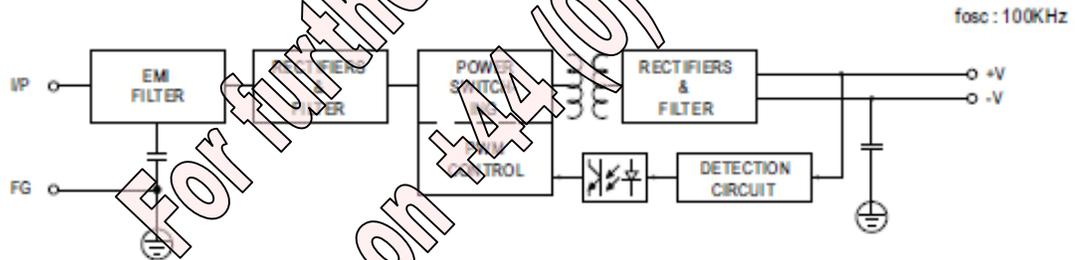
Install DIN rail TS36/7.5 or TS35/15



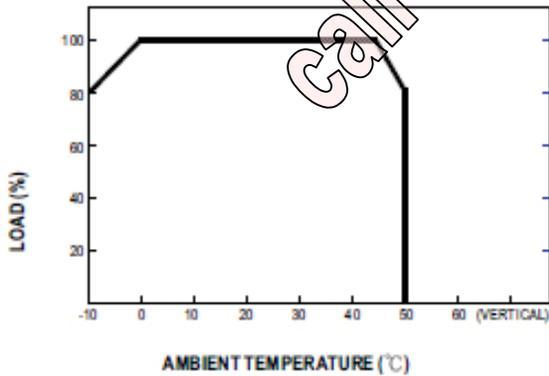
Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	6,7	DC OUTPUT +V
2	AC/N	8	LED
3	FG	9	+V ADJ.
4,5	DC OUTPUT -V		

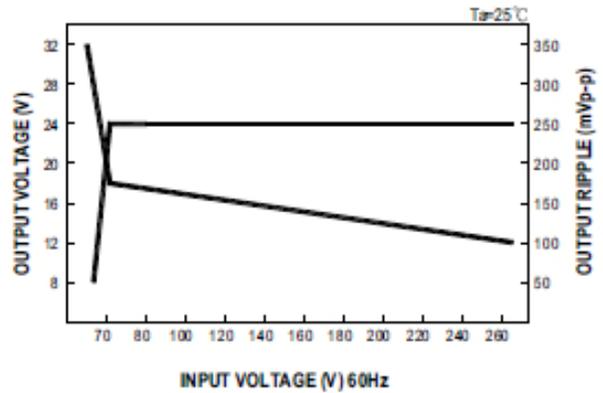
Block Diagram



Output Derating



Static Characteristics (24V)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[MEAN WELL:](#)

[DR-4512](#) [DR-4505](#) [DR-4524](#) [DR-4515](#)