

## ARV-DR12120-DIN (12V, 10A, 120W)

## ARV-DR24120-DIN (24V, 5A, 120W)

### 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
- LED indicator for power on
- 100% full load burn-in test
- Fixed switch frequency at 55KHz
- Dimensions: 65.5\*125.2\*100mm



### Specification:

	ARV-DR12120-DIN (12V, 10A, 120W)	ARV-DR24120-DIN (24V, 5A, 120W)
DC Voltage	12V	24V
Voltage Tolerance	±2%	±1%
Rated Current	10A	5A
Current Range	0-10A	0-10A
Rated Power	120W	120W
Ripple & Noise	80mVp-p	80mVp-p
DC Adjustment Range	12-14V	24-28V
Setup, Rise Time	500ms,70ms/230VAC at full load 500ms,70ms/115VAC at full load	
Hold Time	36ms/230VAC 32ms/115VAC at full load	

INPUT	Voltage Range	88~132 VAC/176~264VAC 47~63 Hz; selected by 248~370VDC
	AC Current	2.6A/115V 1.6A/230V
	Efficiency	80%(HDR-120-12); 84%(HDR-120-24); 85%(HDR-120-48)
	Inrush Current	Cold start 20A/115V 40A/230V
	Leakage Current	<3.5mA/240VAC
PROTECTION	Over Load	105%~150%
		Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over Voltage	120%~135%
		Protection type: Shut down o/p voltage, re-power on to recover
ENVIRONMENT	OVER TEMP.	85°C±5°C(TSW1) (HDR-120-12); 90°C±5°C(TSW1)(HDR-120-24); 90°C±5°C(TSW1)(HDR-120-48)
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
	Working Temp., Humidity	-10°C~+60°C; 20%~90 %RH
	Storage Temp., Humidity	-20°C~+85°C; 10%~95 %RH
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes

SAFETY	Withstand Voltage	I/P-O/P: 3KVACI/P-FG: 1.5KVACO/P-FG: 0.5KVAC
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC
STANDARD	Safety Standard	Design refer to UL508,UL60950-1, TUV EN60950-1
	EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN55024,EN61000-6-2(EN50082-2)
OTHERS	Weight	0,79Kg
	Packing	20pcs/16.5Kg/1.1CUFT

**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 0.1 $\mu$  & 47 $\mu$  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.