

Product Overview

The DR-75, 120, 240, 480 series are 75, 120, 240, 480W single group output enclosed power supplies that use 85 to 264VAC full range AC input. The entire series provides 12V, 24V and 48V output and optional 5V, 15V, 36V output.

In addition to the efficiency of up to 88%, the design of the metal mesh enclosure enhances the heat dissipation capability, allowing the DR-75, 120, 240, 480 to operate in the temperature range of -10° C to +50° C without a fan. Making it easy for the terminal system to meet international energy requirements. The DR-75, 120, 240, 480 have complete protection functions; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The DR-75, 120, 240, 480 series provide a cost-effective solution for various industrial applications.

Principle diagram



DR-75 SERIES

DIN RAIL TYPE SWITCH POWER SUPPLY



Туре		Technical indicators	
	DC voltage	12V	24V
	Rated current	6.3A	3.2A
	Rated power	76W	76.8W
Output	Ripple and noise	<120mV	<150mV
	Voltage accuracy	±2%	±1%
	Load adjustment rate	±1%	
	Linear adjustment rate	±0.5%	
Input	Voltage range / frequency	85-264VAC 47Hz~63Hz (120VDC~370VDC)	
	Efficiency (typical)	>86%	>88%
	Working current	<1.2A 110VAC <0.8A 220VAC	
	Impulse current	110VAC 20A, 220VAC 40A	
	Leakage current	1800ms, 60ms, 12ms: 110VAC/1000ms, 60ms, 60ms: 220VAC	
Protection	overload protection	105%-150% Type:production mode:burp modde automatic recovery after the abnormal condition is lifted	
	Short circuit protection	VO The output abnormal condition will be restored automatically after it is removed after the power is restarted	
Environment	Working temperature and humidity	-10°C~+50°C; 20%~90RH	
	Storage temperature and humidity	-20°C~+85°C; 10%~95RH	
Safety regulations	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P:0.5KVAC	
	Leakage current	<1mA/240VAC	
	Isolation Resistance	I/P-O/P, O/P-Shell, O/P-Shell: 500VDC/100MΩ	
Other	size	55.5*125.2*100mm	
	Net weight / gross weight	520/550g	

DR-120 SERIES

DIN RAIL TYPE SWITCH POWER SUPPLY



Туре		Technical indicators	
Output	DC voltage	12V	24V
	Rated current	10A	5A
	Rated power	120W	120W
	Ripple and noise (1)	<120mV	<150mV
	Voltage accuracy	±2%	±1%
	Load adjustment rate	±1%	
	Linear adjustment rate	±0.5%	
Input	Voltage range / frequency	85-264VAC 47Hz~63Hz (120VDC~370VDC)	
	Efficiency (typical) ②	>86%	>88%
	Working current	<2.6A 110VAC <1.6A 220VAC	
	Impulse current	110VAC 20A, 220VAC 40A	
	Leakage current	500ms, 70ms, 32ms: 110VAC/500ms, 70ms, 36ms: 220VAC	
Protection	Overload protection	105%-150% Type:production mode:burp modde automatic recovery after the abnormal condition is lifted	
	Overvoltage protection	Output Voltage>135% will be restored automatically after it is removed	
	Short circuit protection	VO The output abnormal condition will be restored automatically after it is removed after the power is restarted	
Environment	Working temperature and humidity	-10°C~+50°C; 20%~90RH	
	Storage temperature and humidity	-20°C~+85°C; 10%~95RH	
Safety regulations	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P:0.5KVAC	
	Leakage current	<1mA/240VAC	
	Insulation impedance	I/P-O/P, O/P-Shell, O/P-Shell: 500VDC/100MΩ	
Other	size	65.5*125.2*100mm	
	Net weight / gross weight	520/550g	

DR-240 SERIES

DIN RAIL TYPE SWITCH POWER SUPPLY



Туре		Technical indicators		
Output	DC voltage	24V	48V	
	Rated current	10A	5A	
	Rated power	240W	240W	
	Ripple and noise	<120mV	<240mV	
	Voltage accuracy	±1%	±1%	
	Load adjustment rate	±1%		
	Linear adjustment rate	$\pm 0.5\%$		
Input	Voltage range / frequency	85-264VAC 47Hz~63Hz (120VDC~370VDC)		
	Efficiency (typical)	>84%	>86%	
	Working current	<2.5A 110VAC <1.3A 220VAC		
	Impulse current	110VAC 20A, 220VAC 35A		
	Leakage current	3000ms, 100ms, 22ms: 110VAC/1500ms, 100ms, 28ms: 220VAC		
Protection	Overload protection	105%-150% Type: production mode: burp modde automatic recovery after the abnormal condition is lifted		
	Overvoltage protection	Output Voltage >135% will be restored automatically after it is removed		
	Short circuit protection	VO The output abnormal condition will be restored automatically after it is removed after the power is restarted		
	Over temperature protection	Turn off the output temperature when it is over 85° and recover after the power is restarted		
. ·	Working temperature and humidity	-10°C~+50°C; 20%~90RH		
Environment	Storage temperature and humidity	-20°C~+85°C; 10%~95RH		
Safety regulations	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P:0.5KVAC		
	leakage current	<1.5mA/240VAC		
	Insulation impedance	I/P-O/P, O/P-Shell, O/P-Shell: 500 VDC/ 100 M Ω		
Other	size	125.5*100*125.2mm		
	Net weight / gross weight	1200/1230g		

DR-480 SERIES

DIN RAIL TYPE SWITCH POWER SUPPLY



Туре		Technical indicators		
Output	DC voltage	24V	48V	
	Rated current	20A	10A	
	Rated power	480W	480W	
	Ripple and noise	<120mV	<240mV	
	Voltage accuracy	±1%	±1%	
	Load adjustment rate	±1%		
	Linear adjustment rate	$\pm 0.5\%$		
Input	Voltage range / frequency	180-264VAC 47Hz~63Hz (270VDC~370VDC)		
	Efficiency (typical)	>84%	>86%	
	Working current	<2.5A 110VAC <1.3A 220VAC		
	Impulse current	110VAC 20A, 220VAC 35A		
	Leakage current	3000ms、100ms、22ms:110VAC/1500ms、100ms、28ms :220VAC		
Protection	Overload protection	105%-150% Type:production mode:burp modde automatic recovery after the abnormal condition is lifted		
	Overvoltage protection	Output Voltage>135% will be restored automatically after it is removed		
	Short circuit protection	VO The output abnormal condition will be restored automatically after it is removed after the power is restarted		
	Over temperature protection	Turn off the output temperature when it is over 85° and recover after eht power is restarted		
Environment	Working temperature and humidity	-10°C~+50°C; 20%~90RH		
Environment	Storage temperature and humidity	-20°C~+85°C; 10%~95RH		
Safety regulations	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P:0.5KVAC		
	Leakage current	<1.5mA/240VAC		
	Insulation impedance	I/P-O/P, O/P-Shell, O/P-Shell: 500VDC/100MΩ		
Other	Size	125.5*100*125.2mm		
	Net weight / gross weight	1200/1230g		