

# DIN Series

120~480W Wide Input Range



## ■ Features

- Wide input range 180~550VAC
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508(industrial control equipment)
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 3 years warranty

## ■ General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

UL / CUL / TUV / CE pending

Model No.	WDR-120	WDR-240	WDR-480
AC input voltage range	180~550VAC; 254~780VDC		
AC inrush current (max.)	Cold start, 50A at 230VAC		
DC adjustment range	12V: 12~15V (only for WDR-120), 24V: 24~29V, 48V: 48~58V		
Overload protection	105%~150% rated output voltage, constant current limiting, auto-recovery		
Over voltage protection	Range	16~18V for 12V model (only for WDR-120), 31~37V for 24V model, 60~67V for 48V model	
	Type	Shut down o/p voltage, re-power on to recover	
Over temperature protection	Range	85°C±5°C (TSW : detect on heatsink of power switch)	
	Type	Shut down output voltage, recovers automatically after temperature goes down	
Withstand voltage	I/P-O/P:3kVAC I/P-FG:1.5kVAC O/P-FG:0.5kVAC		
Working temperature	-25~+70°C (Refer to output derating curve)		
Safety standards	Design refer to UL508, TUV EN60950-1		
EMC standards	Compliance to EN55011(CISPR11)EN55022 Class B, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level		
Connection	I/P: 3 poles, O/P: 4 poles screw DIN terminal		I/P: 3 poles, O/P: 6 poles screw DIN terminal
Dimension (WxHxD)(mm)	40x 125.2x 113.5	63x 125.2x 113.5	85.5x 125.2x 128.5

### ■ 120W WDR-120

Model No.	Output	Tol.	R&N	Effi.
WDR-120-12	12V, 0~10A	±1.5%	80mV	88%
WDR-120-24	24V, 0~5A	±1.0%	80mV	89%
WDR-120-48	48V, 0~2.5A	±1.0%	80mV	89%

### ■ 240W WDR-240

Model No.	Output	Tol.	R&N	Effi.
WDR-240-24	24V, 0~10A	±1.0%	120mV	90%
WDR-240-48	48V, 0~5A	±1.0%	120mV	90%

### ■ 480W WDR-480

Model No.	Output	Tol.	R&N	Effi.
WDR-480-24	24V, 0~20A	±1.0%	100mV	94%
WDR-480-48	48V, 0~10A	±1.0%	120mV	94%



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— "MEAN WELL" tries to be —



To satisfy our customers is our goal —

- High Quality
- Low Cost
- Prompt Delivery
- Best Service

35W Dual Output

Under Development

- Universal AC input / Full range
- Small size, high power density
- Cooling by free air convection
- Protections: Short circuit / Overload / Over voltage
- Low cost, high reliability
- DC output: ±5V / ±12V / ±15V / ±24V
- Dimension(LxWxH): 99x 97x 36mm
- 2 years warranty