



### Features

- Wide input range 180~550VAC
- Built-in active PFC (WDR-240/480)
- 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 US CBCE (WDR-240/480 pending)

Model No.	WDR-120 <b>NEW</b>	WDR-240 <b>Under Development</b>	WDR-480 <b>Under Development</b>
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%~130% 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	100°C±5°C (TSW1 : 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	UL508 approved (WDR-240/480 pending)		
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 **NEW** WDR-120

Model No.	Output	Tol.	R&N	Effi.
WDR-120-12	12V, 0~10A	±1.5%	120mV	89.5%
WDR-120-24	24V, 0~5A	±1.0%	120mV	91.0%
WDR-120-48	48V, 0~2.5A	±1.0%	150mV	92.0%

### 240W **Under Development** 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 **Under Development** 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%

Who can provide you better services and be a trustworthy partner in the power industry? — **"MEAN WELL"** tries to be —

**To satisfy our customers is our goal —**

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

**45W/65W Single Output Open Frame Type**

- 4"x 2" miniature size
- Universal AC input / Full range
- No load power consumption < 0.5W
- High efficiency up to 90%
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- Output models: 3.3V / 5V / 7.5V / 12V / 15V / 24V / 36V / 48V
- Dimension(LxWxH): 101.6x 50.8x 28mm
- 3 years warranty