



Features

- Single and two phase 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) approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)

CBC CE (240W pending)

Model No.	WDR-120 NEW	WDR-240 NEW	WDR-480 NEW
AC input voltage range	180~550VAC(single and two phase); 254~780VDC		
AC input current	0.55A / 400VAC, 1.2A / 230VAC	1A / 400VAC, 2A / 230VAC	1.6A / 400VAC, 4A / 230VAC
AC inrush current (max.)	Cold start, 50A at 400VAC		
DC adjustment range	12V: 12~15V, 24V: 24~29V, 48V: 48~58V	24V: 24~28V, 48V: 48~55V	
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, auto-recovery	
Setup, rise, hold up time	2000ms, 70ms, 10ms at full load and 230VAC	2000ms, 150ms, 16ms at full load and 230VAC	
Over temperature protection	Range	100°C±5°C (TSW1 : detect on heatsink of power switch)	105°C±5°C
	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		
Isolation resistance	100MΩ(min.)@500VDC		
Working temperature	-25~+70°C (Refer to output derating curve)	-30°C~+70°C (Refer to output derating curve)	
DC OK signal	Relay Contact		
Leakage current	<3.5mA at 530VAC		
Vibration	10~500Hz, 2G, 10 minutes / 1 cycle, period of 60 minutes each along X, Y, Z axes		
Safety standards	UL508 approved (240W 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
Packing	20pcs / 14kg	12pcs / 13.4kg	8pcs / 14.6kg

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 **NEW** WDR-240

Model No.	Output	Tol.	R&N	Effi.
WDR-240-24	24V, 0~10A	±1.0%	100mV	91%
WDR-240-48	48V, 0~5A	±1.0%	120mV	91%

480W **NEW** WDR-480

Model No.	Output	Tol.	R&N	Effi.
WDR-480-24	24V, 0~20A	±1.0%	100mV	92%
WDR-480-48	48V, 0~10A	±1.0%	150mV	93%



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— "MEAN WELL" tries to be —



To satisfy our customers is our goal —

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