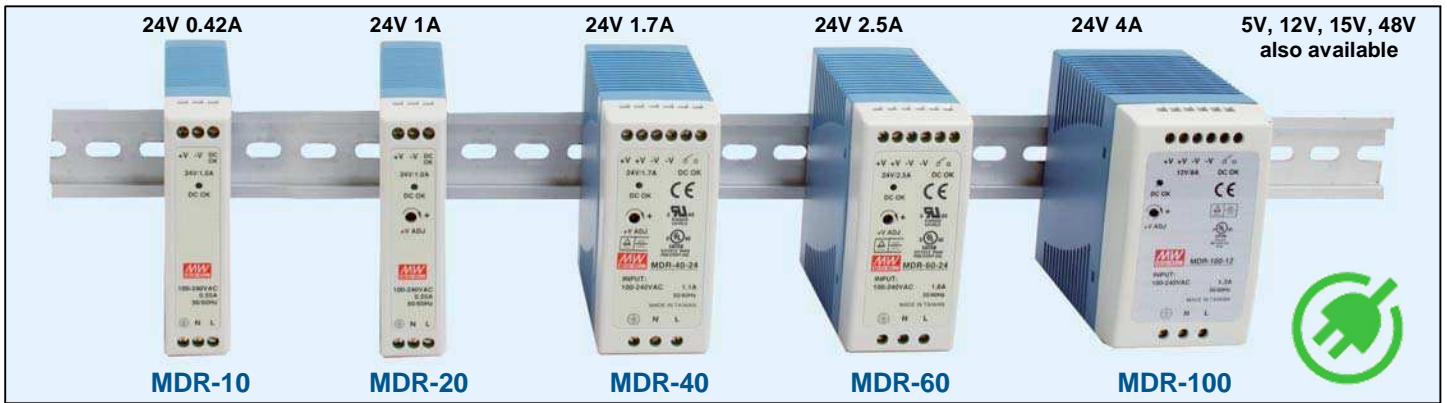


MDR Series 10W~100W Slim Modern DIN Rail Series



Power Supply Features

- Universal AC input / Full range
- Installed on DIN rail TS35/7.5 or TS35/15
- Protection: Short circuit / Overload / Over voltage
- No load power consumption <0.75W (<1W for MDR-100)
- LED indicator for power on
- **Built-in active PFC and over temp. protection (MDR-100)**
- **Class I, Div 2 Hazardous Locations T4 (MDR-40/60)**
- DC OK signal output (MDR-10/20)
- DC OK relay contact (MDR-40/60/100)
- Cooling by free air convection
- 100% full load burn-in test
- **3 year warranty**

General Specifications (Please refer to www.procontechology.com.au for detailed specs)

Model No.	MDR-10	MDR-20	MDR-40	MDR-60	MDR-100
AC input voltage range	85~264VAC; 120~370VDC				
AC inrush current	Cold start, 35A at 115VAC, 70A at 230VAC	Cold start, 20A at 115VAC, 40A at 230VAC	Cold start, 30A at 115VAC, 60A at 230VAC		
DC adjustment range	Fixed	±10% rated output voltage	0~20% rated output voltage (13.8V, 27.6V, 55.2V possible)		
Overload protection	>105% hiccup mode, auto-recovery	105~160% constant current limiting, auto-recovery	105~150% constant current limiting, auto-recovery		
Over voltage protection	115~135% rated output voltage		125~150% rated output voltage		
Setup, rise, hold up time	500ms, 30ms, 120ms	500ms, 30ms, 50ms	3000ms, 50ms, 50ms		
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC				
Working temperature	-20°C ~ +70°C (refer to output derating curve)				-10°C ~ +60°C
DC OK signal	Active pull-up signal		Relay contact (30V/1A resistive)		
Safety standards	UL508, TUV EN60950-1, EAC TP TC 004 approved; MDR-40/60 also approved for UL60950-1, ANSI/ISA 12.12.01-2013 Class I, Div. 2 Group A, B, C, D Hazardous Locations T4				
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 heavy industry level (MDR-40/60/100)				
Connection	I/P: 3 pole, O/P: 3 pole screw terminals		I/P: 3 pole, O/P: 6 pole screw terminals		
Dimensions (WxHxD)	22.5x90x100mm		40x90x100mm		55x90x100mm
Weight	0.17Kg	0.19Kg	0.3Kg	0.33Kg	0.42Kg

MDR-10 Series

Model No.	Output	Tol	R&N	Eff.
MDR-10-5	5V, 0~2.0A	±5%	80mV	77%
MDR-10-12	12V, 0~0.84A	±3%	120mV	81%
MDR-10-15	15V, 0~0.67A	±3%	120mV	81%
MDR-10-24	24V, 0~0.42A	±2%	150mV	84%

MDR-20 Series

Model No.	Output	Tol	R&N	Eff.
MDR-20-5	5V, 0~3.0A	±2%	80mV	76%
MDR-20-12	12V, 0~1.67A	±1%	120mV	80%
MDR-20-15	15V, 0~1.34A	±1%	120mV	81%
MDR-20-24	24V, 0~1.00A	±1%	150mV	84%

MDR-40 Series

Model No.	Output	Tol.	R&N	Eff.
MDR-40-5	5V, 0~6.00A	±2%	80mV	78%
MDR-40-12	12V, 0~3.33A	±1%	120mV	86%
MDR-40-24	24V, 0~1.70A	±1%	150mV	88%
MDR-40-48	48V, 0~0.83A	±1%	200mV	88%

MDR-60 Series

Model No.	Output	Tol.	R&N	Eff.
MDR-60-5	5V, 0~10.0A	±2%	80mV	78%
MDR-60-12	12V, 0~5.00A	±1%	120mV	86%
MDR-60-24	24V, 0~2.50A	±1%	150mV	88%
MDR-60-48	48V, 0~1.25A	±1%	200mV	87%

MDR-100 Series

Model No.	Output	Tol	R&N	Eff.
MDR-100-12	12V, 0~7.5A	±1%	120mV	83%
MDR-100-24	24V, 0~4.0A	±1%	150mV	86%
MDR-100-48	48V, 0~2.0A	±1%	200mV	87%



Energy Saving —

We care about saving energy. This logo indicates that the model has "low no-load power consumption"



To satisfy all customers is our goal —

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