



Features

- Universal AC input / Full range
- Installed on DIN rail TS35 / 7.5 or 15
- Protections: Short circuit / Overload / Over voltage
- No load power consumption <0.75W (<1W for MDR-100)
- LED indicator for power on
- NES class 2 / LPS compliant (selected models)
- Built-in active PFC and over temp. protection (MDR-100)
- DC OK signal output (MDR-20)
- DC OK relay contact (MDR-40/60/100)
- Cooling by free air convection
- 100% full load burn-in test
- 3 years warranty

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



Model No.	MDR-20	MDR-40	MDR-60	MDR-100 NEW
AC input voltage range	85~264VAC; 120~370VDC			
AC inrush current	Cold start, 20A at 115VAC, 40A at 230VAC	Cold start, 30A at 115VAC, 60A at 230VAC		
DC adjustment range	±10% rated output voltage	0 ~ +20% rated output voltage		
Overload protection	105%~160% constant current limiting, auto-recovery	105%~150% constant current limiting, auto-recovery		95%~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, 50ms at full load and 230VAC			3000ms, 30ms, 50ms
Withstand voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, 1minute			
Working temperature	-20~50°C@100%, 70°C@50% load	-20~60°C@100%, 70°C@60% load	-20~55°C@100%, 70°C@60% load (5V only: -20~45°C@100%, 70°C@50% load)	-20~50°C@100%, 70°C@50% load
DC OK signal	Open collector	Relay contact		
Safety standards	UL508, TUV EN60950-1 approved, NEC class 2 / LPS compliant (MDR-20, MDR-40-12/24/48, MDR-60-12/24/48, MDR-100-24/48)			
EMC standards	EN55022 class B, EN61000-3-2,-3, ENV50204, 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 poles, O/P: 3 poles screw DIN terminal	I/P: 3 poles, O/P: 6 poles screw DIN terminal		
Dimension (L*W*H)(mm)	22.5x 90x 100	40x 90x 100		55x 90x 100
Packing	0.19kg ; 72pcs / 14.7kg / 0.91CUFT	0.3kg ; 42pcs / 13.6kg / 0.82CUFT	0.33kg ; 42pcs / 14.8kg / 0.82CUFT	-----

MDR-20 Series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11131	MDR-20-5	5V, 0~3.0A	±2%	80mV	76%
11132	MDR-20-12	12V, 0~1.67A	±1%	120mV	80%
11133	MDR-20-15	15V, 0~1.34A	±1%	120mV	81%
11134	MDR-20-24	24V, 0~1.00A	±1%	150mV	84%

MDR-60 Series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11151	MDR-60-5	5V, 0~10.0A	±2%	80mV	78%
11152	MDR-60-12	12V, 0~5.00A	±1%	120mV	86%
11153	MDR-60-24	24V, 0~2.50A	±1%	150mV	88%
11154	MDR-60-48	48V, 0~1.25A	±1%	200mV	87%

MDR-40 Series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11141	MDR-40-5	5V, 0~6.00A	±2%	80mV	78%
11142	MDR-40-12	12V, 0~3.33A	±1%	120mV	86%
11143	MDR-40-24	24V, 0~1.70A	±1%	150mV	88%
11144	MDR-40-48	48V, 0~0.83A	±1%	200mV	88%

MDR-100 Series **NEW**

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11171	MDR-100-12	12V, 0~8A	±1%	120mV	87%
11172	MDR-100-24	24V, 0~4A	±1%	150mV	88%
11173	MDR-100-48	48V, 0~2A	±1%	200mV	87%



Customer Satisfaction —

Today's effort, tomorrow's reward. Continuously improve QCTS to satisfy customer is our goal.



Energy Saving —

We care about energy saving. This logo represents that this model has "low no load power consumption"!