



### 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
- LED indicator for power on
- DC OK signal output (20W)
- DC OK relay contact (40W & 60W)
- Cooling by free air convection
- 100% full load burn-in test
- 3 years warranty

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



MODEL No.	MDR-20	MDR-40	MDR-60
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	
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		
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)
DC OK signal	Open collector	Relay contact	
Safety standards	UL508, TUV EN60950-1 approved		
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 also for 40W & 60W)		
Connection	I/P: 3 poles, O/P: 3 poles screw DIN terminal	IP: 3 poles, O/P: 6 poles screw DIN terminal	
Dimension(W*H*D)(mm)	22.5x 90x 100	40x 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 (max.)	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%



#### Best products also need best services.

We have authorized distributors all over the world. They have sufficient stock for your prompt delivery. Also they can offer you technical support & RMA services. Please contact your local distributors for more product information. You can also contact us at [info@meanwell.com](mailto:info@meanwell.com) for information of your local distributors.