



### ■ Features

- Isolation Class II
- Universal AC input / Full range (277VAC operational)
- No load power consumption < 0.3W
- Compact size with 1SU~4SU width
- Class 2 power unit / Pass LPS (Except for HDR-100-xxN)
- Protections: Short circuit / Overload / Over voltage
- Can be installed on DIN rail TS-35 / 7.5 or 15
- Cooling by free air convection
- DC output voltage adjustable
- LED indicator for power on
- Suitable for building automation and control of household appliance
- 3 years warranty

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



Model No.	HDR-15	HDR-30	HDR-60	HDR-100 □
AC input voltage range	85~264VAC (277VAC operational); 120~370VDC (390VDC operational)			
AC inrush current (max.)	Cold start, 45A at 230VAC		Cold start, 60A at 230VAC	Cold start, 70A at 230VAC
DC adjustment range	5V: 4.5~5.5V, 12V: 10.8~13.8V, 15V: 13.5~18V, 24V: 21.6~29V, 48V: 43.2~55.2V			<b>HDR-100</b> 12V: 12~13V, 15V: 15~17V, 24V: 24~25.5V, 48V: 48~48.7V <b>HDR-100-N</b> 12V: 12~13.8V, 15V: 13.8~18V, 24V: 21.6~29V, 48V: 43.2~55.2V
Overload protection	Range	110%~145%	105%~160%	HDR-100: 102%~110%; HDR-100-xxN: 105%~150%
	Type	constant current limiting, auto-recovery		
Over voltage protection	Range	115%~150% rated output voltage		125%~155% rated output voltage
	Type	Shut off, clamp by zener diode	Shut down, re-power on to recover	
Withstand voltage	I/P-O/P: 3kVAC			
Working temperature	-30~+70°C (refer to output load derating curve)			
Vibration	10~500Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes			
Safety standards	UL60950-1, UL508, TUV EN61558-2-16, IEC60950-1 approved			
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-6-2, EN61000-4-2,3,4,5,6,8,11			
Connection	I/P and O/P: 2 poles screw DIN terminal		I/P: 2 poles, O/P: 4 poles screw DIN terminal	
Dimension (WxHxD)(mm)	17.5x 90x 54.5	35x 90x 54.5	52.5x 90x 54.5	70x 90x 54.5
Packing	160pcs / 13.5kg	96pcs / 12.5kg	60pcs / 12.4kg	48pcs / 14kg

### ■ 15W HDR-15

Model No.	Output	Tol.	R&N	Effi.
HDR-15-5	5V, 0~2.40A	±2%	80mV	80%
HDR-15-12	12V, 0~1.25A	±1%	120mV	85%
HDR-15-15	15V, 0~1.00A	±1%	120mV	86.5%
HDR-15-24	24V, 0~0.63A	±1%	150mV	86%
HDR-15-48	48V, 0~0.32A	±1%	240mV	87%

### ■ 30W HDR-30

Model No.	Output	Tol.	R&N	Effi.
HDR-30-5	5V, 0~3.0A	±2%	80mV	82%
HDR-30-12	12V, 0~2.0A	±1%	120mV	88%
HDR-30-15	15V, 0~2.0A	±1%	120mV	89%
HDR-30-24	24V, 0~1.5A	±1%	150mV	89%
HDR-30-48	48V, 0~0.75A	±1%	240mV	90%

### ■ 60W HDR-60

Model No.	Output	Tol.	R&N	Effi.
HDR-60-5	5V, 0~6.5A	±2%	80mV	85%
HDR-60-12	12V, 0~4.5A	±1%	120mV	88%
HDR-60-15	15V, 0~4.0A	±1%	120mV	89%
HDR-60-24	24V, 0~2.5A	±1%	150mV	90%
HDR-60-48	48V, 0~1.25A	±1%	240mV	91%

### ■ 100W HDR-100

Model No.	Output	Tol.	R&N	Effi.
HDR-100-12	12V, 0~7.5A	±2%	120mV	88%
HDR-100-12N	12V, 0~7.1A	±2%	120mV	88%
HDR-100-15	15V, 0~6.13A	±1%	120mV	89%
HDR-100-15N	15V, 0~6.5A	±1%	120mV	89%
HDR-100-24	24V, 0~3.83A	±1%	150mV	90%
HDR-100-24N	24V, 0~4.2A	±1%	150mV	90%
HDR-100-48	48V, 0~1.92A	±1%	240mV	90%
HDR-100-48N	48V, 0~2.1A	±1%	240mV	90%

HDR-100: 92W max., pass LPS  
HDR-100-xxN: 100W max., non-LPS with a wide output adjustable range