



HDR-15 HDR-30 HDR-60

### 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
- **Over voltage category III**
- 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
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
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		
Overload protection	Range	110%~145%	105%~160%
	Type	Hiccup mode when output voltage <50%, constant current limiting within 50~100% rated output voltage, auto-recovery	
Over voltage protection	Range	115%~150% rated output voltage	
	Type	Shut off, clamp by zener diode	Shut down, re-power on to recover
Withstand voltage	I/P-O/P: 4kVAC		
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	UL62368-1, UL508, TUV <b>EN61558-2-16</b> , IEC62368-1, EAC TP TC 004, BSMI CNS14336-1 approved		
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-6-2, EN61000-4-2,3,4,5,6,8,11, EN61204-3		
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

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	85.5%
HDR-15-24	24V, 0~0.63A	±1%	150mV	86%
HDR-15-48	48V, 0~0.32A	±1%	240mV	87%

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%

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%

### HDR vs. MDR

Difference Series	Casing Type	Protection Classes	Over Voltage Category	Working Temp.
HDR	Step Shape	Class II	OVC III	-30~+70°C
MDR	Ultra Slim	Class I	-----	-20~+70°C



### Features

- Isolation **Class II**
- Universal AC input / Full range (277VAC operational)
- No load power consumption <0.3W
- **Compact size with 4SU~6SU width**
- **Class 2 power unit / Pass LPS (HDR-100 only)**
- **Over voltage category III**
- 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-100 □	HDR-150
AC input voltage range	85~264VAC (277VAC operational); 120~370VDC (390VDC operational)	
AC inrush current (max.)	Cold start, 70A at 230VAC	
DC adjustment range	HDR-100 12V: 12~13V, 15V: 15~17V, 24V: 24~25.5V, 48V: 48~48.7V	12V: 10.8~13.8V 15V: 13.8~18V
	HDR-100-N 12V: 12~13.8V, 15V: 13.8~18V, 24V: 21.6~29V, 48V: 43.2~55.2V	24V: 21.6~29V 48V: 43.2~55.2V
Overload protection	Range	HDR-100: 102%~110%; HDR-100-xxN: 105%~150%
	Type	105%~135%
Over voltage protection	Range	Hiccup mode when output voltage <50%, constant current limiting within 50~100% rated output voltage, auto-recovery
	Type	125%~155% rated output voltage 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	UL62368-1, UL508, TUV EN61558-2-16, IEC62368-1, BSMI CNS14336, AS/NZS60950.1, TPTC004 approved	UL62368-1, UL61010, TUV EN61558-2-16, IEC62368-1, TPTC004 approved
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-6-2, EN61000-4-2,3,4,5,6,8,11, CNS13438, EN61204-3	
Connection	I/P: 2 poles, O/P: 4 poles screw DIN terminal	
Dimension (WxHxD)(mm)	70x 90x 54.5	105x 90x 54.5

### 100W HDR-100

Model No.	Output	Tol.	R&N	Effi.
HDR-100-12	12V, 0~7.1A	±2%	120mV	88%
HDR-100-12N	12V, 0~7.5A	±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

### 150W HDR-150

Model No.	Output	Tol.	R&N	Effi.
HDR-150-12	12V, 0~11.3A	±2%	100mV	89%
HDR-150-15	15V, 0~9.5A	±1%	120mV	89.5%
HDR-150-24	24V, 0~6.25A	±1%	150mV	90.5%
HDR-150-48	48V, 0~3.2A	±1%	200mV	90.5%