

HDR Series

HDR-150, 150W in 12V,15V,24V,48V now available!

15W ~ 100W Slim Step Shaped DIN Rail



Replacement for DR-15, DR-30, DR-60, DR-100 stepped power supply units.

24V 0.63A 24V 1.5A 24V 2.5A 24V 4A



HDR-15 HDR-30 HDR-60 HDR-100

Also available in 5V, 12V, 15V and 48V

The HDR series fits DIN standard surface covers, metering enclosures and switchboards!

Power Supply Features

- **Compact size 1SU~4SU width (1SU = 18mm)**
- Universal AC input / Full range (277VAC operational)
- Protection: Short circuit / Overload / Over voltage
- Built-in constant current limiting circuit
- No load power consumption <0.3W
- **Class 2 power unit / pass LPS (limited power source)**
(Except for HDR-100-xxN, HDR-150)
- Installed on DIN rail TS35 / 7.5 or 15
- Cooling by free air convection (-30~+70°C operation)
- Isolation class II, Over Voltage Category III
- LED indicator for power on
- **3 year warranty**



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



Model No.	HDR-15	HDR-30	HDR-60	HDR-100 N
AC input voltage range	85~264VAC (277VAC operational); 120~370VDC (390VDC operational)			
AC inrush current (max.)	Cold start, 45A at 230VAC	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			12V: 12~13V, 15V: 15~17V, 24V: 24~25.5V, 48V: 48~48.7V 12V: 12~13.8V, 15V: 13.5~18V, 24V: 21.6~29V, 48V: 43.2~55.2V
Overload protection	Range	110~145%	105~160%	102~110% N: 105~150%
	Type	constant current limiting for 50~100% rated output voltage, hiccup mode on short-circuit, 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: 4kVAC, Over Voltage Category (OVC) III, according to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000m			
Working temperature	-30°C ~ +70°C (refer to output load derating curve)			
Vibration	10~500Hz, 2G 10min./ 1 cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6			
Safety standards	UL60950-1, UL508, TUV EN61558-2-16, IEC60950-1, EAC TP TC 004, BSMI CNS14336-1 approved; Design refer to TUV EN60950-1			
EMC standards	EN55032(CISPR32) class B, EN61000-3-2,3, EN55024, EN55035, EN61000-6-2, EN61204-3, EN61000-4-2,3,4,5,6,8,11			
Connection	I/P and O/P: 2 pole screw DIN terminal		I/P: 2 pole, O/P: 4 pole screw DIN terminal	
Dimensions (WxHxD)	17.5(1SU)x90x55mm	35(2SU)x90x55mm	52.5(3SU)x90x55mm	70(4SU)x90x55mm
Weight	0.078kg	0.12kg	0.19kg	0.27kg

15W		HDR-15		
Model No.	Output	Tol.	R&N	Eff.
HDR-15-5	5V, 0~2.4A	±2%	80mV	80%
HDR-15-12	12V, 0~1.25A	±1%	120mV	85%
HDR-15-15	15V, 0~1.0A	±1%	120mV	85%
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	Eff.
HDR-60-5	5V, 0~7.0A	±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	Eff.
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%

100W		HDR-100		
Model No.	Output	Tol.	R&N	Eff.
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%



Energy Saving —

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

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