

# Power Supply 12 V DC

**HDN1512, HDR1512, HDN2412, HDR3012, HDN5412, HDR6012, HDN9012, HDR10012 & HDR10012N Power Supplies 12 V DC documentation**

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# Data Sheet

## Power Supply 12 V DC (HDXXX12)

HDN1512 HDR1512 HDN2412 HDR3012 HDN5412  
HDR6012 HDN9012 HDR10012 HDR10012N



**Features**

- 12 V power supply
- DIN-rail mounting
- UVP (under-voltage protection), OCP (over current protection), SCP (short circuit protection) and OVP (over-voltage protection)
- 3 years warranty
- Customization of OEM is welcomed

## Specification

Redisage PN		HDN1512	HDN2412	HDN5412	HDN9012
Output	Rated voltage	12 V			
	Rated current	1.25 A	2 A	4.5 A	7.1 A
	Rated power	15 W	24 W	54 W	90 W
	Adjustment range	11-13 V	11.4-12.6 V		11-23 V
	Ripple	150 mVp-p			
	Type	CV (constant voltage)			
	Efficiency	83%	> 85%	> 86%	> 89%
	Protection	OCP, SCP, OVP			

Redisage PN		HDN1512	HDN2412	HDN5412	HDN9012
Input	Voltage range	100-240 VAC			
	Frequency range	47-53 kHz			
	No load power consumption	0.25 W			0.35 W
	Protection	OVP, UVP			
Temperatures		0°C to +40°C			
Mounting and enclosure		DIN rail, 1M	DIN rail, 2M	DIN rail, 3M	DIN rail, 4M

Redisage PN		HDR1512	HDR3012	HDR6012	HDR10012	HDR10012N
Output	Rated voltage	12 V				
	Rated current	1.25 A	2 A	4.5 A	7.1 A	7.5 A
	Rated power	15 W	24 W	54 W	85.3 W	90 W
	Adjustment range	10.8-13.8 V			12-13.8 V	
	Ripple	120 mVp-p				
	Type	CV (constant voltage)				
	Efficiency	85%	88%			
	Protection	OCP, SCP, OVP				
Input	Voltage range	85-264 VAC / 120-370 VDC				
	Frequency range	47-53 kHz	47-63 kHz			
	No load power consumption	< 0.3 W			0.35 W	< 0.3 W
	Protection	OVP, UVP				

Redisage PN	HDR1512	HDR3012	HDR6012	HDR10012	HDR10012N
Temperatures	-30°C to +70°C				
Mounting and enclosure	DIN rail, 1M	DIN rail, 2M	DIN rail, 3M	DIN rail, 4M	

# Additional notes

Related information and links		
<a href="#">Ordering information</a>	<a href="#">Accessories</a>	<a href="#">Similar products</a>

# Products family sample photo



<https://redisage.com>

## DISCLAMER NOTES

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

# Datasheet-ID:

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# Contact Us

- [Main web page](#)
- [Facebook](#)
- E-mail:  
[online@redisage.com](mailto:online@redisage.com)
- Phone number:  
+48 71 70 00 140
- Address:  
NSG 4L Sp. z o.o.  
ul. Trzy Lipy 3B  
80-172 Gdańsk  
(POLSKA)
- [More information](#)