# 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 | | |
|---|---|---|
| Ordering information | Accessories | Similar products |

# 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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