



### Features

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- **250% peak power capability**
- High efficiency up to 89%
- Withstand 300VAC surge input for 5 seconds
- Protections:  
Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- 1U low profile 38mm (HRP-150N); 41mm (HRP-300N)
- Built-in remote sense function
- **5 years warranty**

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



| Model No.                | HRP-150N  | HRP-300N                                 | HRP-600N                                     |
|--------------------------|---|--|--|
| AC input voltage range   | 85~264VAC; 120~370VDC   |  |  |
| AC inrush current (max.) | Cold start, 70A at 230VAC   |  |  |
| DC adjustment range      | ±15% rated output voltage   |  |  |
| Overload protection      | Range   | 105%~135%                                |  |
|                          | Type  | Constant current limiting, auto-recovery |  |
| Over voltage protection  | 115%~145%   |  |  |
| Withstand voltage        | I/P - O/P: 3kVAC, I/P - FG: 2kVAC, O/P - FG: 0.5kVAC, 1 minute  |  |  |
| Working temperature      | -40~+70°C (refer to output derating curve)  |  |  |
| Safety standards         | UL62368-1, TUV EN62368-1, EAC TP TC 004 approved  |  |  |
| EMC standards            | Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020 ; Compliance to EN61000-4-2,3,4,5,6,8, 11, EN55024, EN61000-6-2, heavy industry level, criteria A, EAC TP TC 020 |  |  |
| Connection               | 7P/9.5mm pitch terminal block with cover  | 7P/11mm pitch terminal block with cover  | 3+6P/10&11mm pitch terminal block with cover |
| Dimension (LxWxH)(mm)    | 159x 97x 38   | 199x 105x 41                             | 218x 105x 63.5                               |

#### 150W HRP-150N

| Model No.   | Output      | Tol.  | R&N   | Effi. |
|-------------|-------------|-------|-------|-------|
| HRP-150N-12 | 12V, 0~13A  | ±1.5% | 120mV | 88%   |
| HRP-150N-24 | 24V, 0~6.5A | ±1.5% | 150mV | 88%   |
| HRP-150N-36 | 36V, 0~4.3A | ±1.5% | 200mV | 89%   |
| HRP-150N-48 | 48V, 0~3.3A | ±1.5% | 240mV | 89%   |

#### 600W HRP-600N

| Model No.   | Output       | Tol. | R&N   | Effi. |
|-------------|--------------|------|-------|-------|
| HRP-600N-12 | 12V, 0~53A   | ±1%  | 150mV | 88%   |
| HRP-600N-24 | 24V, 0~27A   | ±1%  | 150mV | 88%   |
| HRP-600N-36 | 36V, 0~17.5A | ±1%  | 200mV | 89%   |
| HRP-600N-48 | 48V, 0~13A   | ±1%  | 240mV | 89%   |

#### 300W HRP-300N

| Model No.   | Output     | Tol. | R&N   | Effi. |
|-------------|------------|------|-------|-------|
| HRP-300N-12 | 15V, 0~27A | ±1%  | 120mV | 88%   |
| HRP-300N-24 | 24V, 0~14A | ±1%  | 150mV | 87%   |
| HRP-300N-36 | 36V, 0~9A  | ±1%  | 250mV | 88%   |
| HRP-300N-48 | 48V, 0~7A  | ±1%  | 250mV | 89%   |

### HRP vs. HRP-N/N3

| Series                | Difference | Peak Power |
|-----------------------|------------|------------|
| HRP-150/300/600       |            | 100%       |
| HRP-150N/300N/600N    |            | 250%       |
| HRP-150N3/300N3/600N3 |            | 300~350%   |