



HRP-150  
HRPG-150

HRP-100

HRP-75

### Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC function
- Protections:
  - Short circuit / Overload / Over voltage /
  - Over temperature (optional for HRP-75 / HRP-100)
- Built-in constant current limiting circuit
- Built-in remote sense function (HRP□-150)
- No load power consumption < 0.5W (except for HRP-150)
- Built-in remote ON/OFF control (except for HRP-150)
- Built-in 5V / 0.3A standby output (HRPG-150)
- Cooling by free air convection
- 1U low profile
- LED indicator for power on
- 5 years warranty

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



| Model No.                | HRP-75   | HRP-100                                  | HRP□-150                  |
|--------------------------|--|--|---------------------------|
| AC input voltage range   | 85~264VAC; 120~370VDC  |  |                           |
| AC inrush current (max.) | Cold start, 65A at 230VAC  |  | Cold start; 70A at 230VAC |
| DC adjustment range      | -5%~+10% rated output voltage  |  | ±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: 1.5kVAC, O/P-FG: 0.5kVAC, 1 minute   |  |                           |
| Working temperature      | -40~+70°C (refer to output derating curve)   | -40~+60°C                                | -40~+70°C                 |
| Safety standards         | UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, AS/NZS62368.1 approved  |  |                           |
| EMC standards            | BS EN/EN55032 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN55024, EN61000-6-2 heavy industry level; EAC TP TC 020 |  |                           |
| Connection               | 5P/9.5mm pitch terminal block with cover   | 7P/9.5mm pitch terminal block with cover |                           |
| Dimension (LxWxH)(mm)    | 129x98x38  | 159x97x38                                |                           |

### 75W HRP-75

| Model No.  | Output      | Tol.  | R&N   | Effi. |
|------------|-------------|-------|-------|-------|
| HRP-75-3.3 | 3.3V, 0~15A | ±2.5% | 80mV  | 77.0% |
| HRP-75-5   | 5V, 0~15A   | ±2.5% | 80mV  | 82.5% |
| HRP-75-7.5 | 7.5V, 0~10A | ±2.5% | 100mV | 84.0% |
| HRP-75-12  | 12V, 0~6.3A | ±1.5% | 120mV | 87.0% |
| HRP-75-15  | 15V, 0~5A   | ±1.5% | 150mV | 88.0% |
| HRP-75-24  | 24V, 0~3.2A | ±1.5% | 150mV | 88.5% |
| HRP-75-36  | 36V, 0~2.1A | ±1.5% | 200mV | 89.0% |
| HRP-75-48  | 48V, 0~1.6A | ±1.5% | 240mV | 89.0% |

| Model No.  | Output      | Tol.  | R&N   | Effi. |
|------------|-------------|-------|-------|-------|
| HRP-100-15 | 15V, 0~7A   | ±1.5% | 150mV | 88.0% |
| HRP-100-24 | 24V, 0~4.5A | ±1.5% | 150mV | 88.5% |
| HRP-100-36 | 36V, 0~2.9A | ±1.5% | 200mV | 89.0% |
| HRP-100-48 | 48V, 0~2.2A | ±1.5% | 240mV | 90.0% |

### 100W HRP-100

| Model No.   | Output        | Tol.         | R&N   | Effi. |
|-------------|---------------|--------------|-------|-------|
| HRP-100-3.3 | 3.3V, 0~20A   | +2.5%, -3.5% | 80mV  | 78.0% |
| HRP-100-5   | 5V, 0~17A     | ±2.5%        | 80mV  | 83.0% |
| HRP-100-7.5 | 7.5V, 0~13.5A | ±2.5%        | 100mV | 84.0% |
| HRP-100-12  | 12V, 0~8.5A   | ±1.5%        | 120mV | 87.5% |

### 150W HRP□-150

| Model No.    | Output      | Tol.  | R&N   | Effi. |
|--------------|-------------|-------|-------|-------|
| HRP□-150-3.3 | 3.3V, 0~30A | ±2.5% | 80mV  | 78.5% |
| HRP□-150-5   | 5V, 0~26A   | ±2.5% | 80mV  | 85.0% |
| HRP□-150-7.5 | 7.5V, 0~20A | ±2.5% | 100mV | 87.0% |
| HRP□-150-12  | 12V, 0~13A  | ±1.5% | 120mV | 88.0% |
| HRP□-150-15  | 15V, 0~10A  | ±1.5% | 150mV | 88.0% |
| HRP□-150-24  | 24V, 0~6.5A | ±1.5% | 150mV | 88.0% |
| HRP□-150-36  | 36V, 0~4.3A | ±1.5% | 200mV | 89.0% |
| HRP□-150-48  | 48V, 0~3.3A | ±1.5% | 240mV | 89.0% |

□=blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W



HRP-450  
HRPG-450

HRP-300  
HRPG-300

HRP-200  
HRPG-200

### Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- Built-in remote sense function
- Built-in DC OK signal
- No load power consumption < 0.5W (HRPG-300/450)
- Built-in remote ON/OFF control & 5V / 0.3A standby output (HRPG series)
- Forced air cooling by built-in DC fan
- 1U low profile
- **5 years warranty**

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



| Model No.                | HRP□-200   | HRP□-300   | HRP□-450   |
|--------------------------|--|--|------------|
| 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: 1.5kVAC, O/P - FG: 0.5kVAC, 1 minute   | 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 BS EN/EN62368-1, EAC TP TC 004, AS/NSZ62368.1 approved  |  |            |
| EMC standards            | BS EN/EN55032 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN55024, EN61000-6-2 heavy industry level; EAC TP TC 020 | BS EN/EN55032 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN61000-6-2 heavy industry level; EAC TP TC 020, AS/NSZ62368.1 |            |
|                          | Connection   | 7P/9.5mm pitch terminal block with cover   | 7P/11mm    |
| Dimension (LxWxH)(mm)    | 199x 98x 38  | 199x105x41   | 218x105x41 |

### 200W HRP□-200

| Model No.    | Output        | Tol. | R&N   | Effi. |
|--------------|---------------|------|-------|-------|
| HRP□-200-3.3 | 3.3V, 0~40A   | ±2%  | 80mV  | 80.0% |
| HRP□-200-5   | 5V, 0~35A     | ±2%  | 90mV  | 84.0% |
| HRP□-200-7.5 | 7.5V, 0~26.7A | ±2%  | 100mV | 86.0% |
| HRP□-200-12  | 12V, 0~16.7A  | ±1%  | 120mV | 88.0% |
| HRP□-200-15  | 15V, 0~13.4A  | ±1%  | 150mV | 88.0% |
| HRP□-200-24  | 24V, 0~8.4A   | ±1%  | 150mV | 88.0% |
| HRP□-200-36  | 36V, 0~5.7A   | ±1%  | 250mV | 89.0% |
| HRP□-200-48  | 48V, 0~4.3A   | ±1%  | 250mV | 89.0% |

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W

### 300W HRP□-300

| Model No.    | Output      | Tol.  | R&N   | Effi. |
|--------------|-------------|-------|-------|-------|
| HRP□-300-3.3 | 3.3V, 0~60A | ±2.5% | 80mV  | 80.0% |
| HRP□-300-5   | 5V, 0~60A   | ±2.0% | 90mV  | 82.0% |
| HRP□-300-7.5 | 7.5V, 0~40A | ±2.0% | 100mV | 86.0% |
| HRP□-300-12  | 12V, 0~27A  | ±1.0% | 120mV | 88.0% |

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W

### 450W HRP□-450

| Model No.   | Output     | Tol.  | R&N   | Effi. |
|-------------|------------|-------|-------|-------|
| HRP□-300-15 | 15V, 0~22A | ±1.0% | 150mV | 88.0% |
| HRP□-300-24 | 24V, 0~14A | ±1.0% | 150mV | 87.0% |
| HRP□-300-36 | 36V, 0~9A  | ±1.0% | 250mV | 88.0% |
| HRP□-300-48 | 48V, 0~7A  | ±1.0% | 250mV | 89.0% |

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W

### 450W HRP□-450

| Model No.    | Output       | Tol. | R&N   | Effi. |
|--------------|--------------|------|-------|-------|
| HRP□-450-3.3 | 3.3V, 0~90A  | ±2%  | 80mV  | 80.0% |
| HRP□-450-5   | 5V, 0~90A    | ±2%  | 80mV  | 83.0% |
| HRP□-450-7.5 | 7.5V, 0~60A  | ±2%  | 100mV | 86.5% |
| HRP□-450-12  | 12V, 0~37.5A | ±1%  | 120mV | 88.0% |
| HRP□-450-15  | 15V, 0~30A   | ±1%  | 150mV | 89.0% |
| HRP□-450-24  | 24V, 0~18.8A | ±1%  | 150mV | 88.0% |
| HRP□-450-36  | 36V, 0~12.5A | ±1%  | 240mV | 89.0% |
| HRP□-450-48  | 48V, 0~9.5A  | ±1%  | 240mV | 89.5% |

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W



### ■ Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- Built-in remote sense function
- Built-in DC OK signal
- No load power consumption < 0.75W
- Built-in remote ON/OFF control & 5V / 0.3A standby output (HRPG series)
- Built-in current sharing (HRPG-600-24/36/48; HRPG-1000)
- Forced air cooling by built-in DC fan
- 5 years warranty

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



|                          |  |  |
|--------------------------|--|--|
| Model No.                | HRP□-600   | HRPG-1000  |
| AC input voltage range   | 85~264VAC; 120~370VDC  | 90~264VAC; 127~370VDC  |
| AC inrush current (max.) | Cold start, 70A at 230VAC  | Cold start, 40A at 230VAC  |
| DC adjustment range      | ±15% rated output voltage  | -8%~+17% rated output voltage  |
| Overload Protection      | Range  | 105%~135%  |
|                          | Type   | Constant current limiting, auto-recovery   |
| Over voltage protection  | 115%~145%  | 120%~137%  |
| 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 BS EN/EN62368-1, EAC TP TC 004, AS/NSZ62368.1 approved  |  |
| EMC standards            | BS EN/EN55032 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN61000-6-2 heavy industry level, EAC TP TC 020, AS/NSZ62368.1 | BS EN/EN55032 class A, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EAC TP TC 020, AS/NSZ62368.1 |
| Connection               | 3+6P/10&11mm pitch terminal block with cover   |  |
| Dimension (LxWxH)(mm)    | 218x105x63.5   |  |

### ■ 600W HRP□-600

| Model No.    | Output       | Tol. | R&N   | Effi. |
|--------------|--------------|------|-------|-------|
| HRP□-600-3.3 | 3.3V, 0~120A | ±2%  | 120mV | 78.5% |
| HRP□-600-5   | 5V, 0~120A   | ±2%  | 150mV | 82.0% |
| HRP□-600-7.5 | 7.5V, 0~80A  | ±2%  | 150mV | 87.0% |
| HRP□-600-12  | 12V, 0~53A   | ±1%  | 150mV | 88.0% |
| HRP□-600-15  | 15V, 0~43A   | ±1%  | 150mV | 88.0% |
| HRP□-600-24  | 24V, 0~27A   | ±1%  | 150mV | 88.0% |
| HRP□-600-36  | 36V, 0~17.5A | ±1%  | 200mV | 89.0% |
| HRP□-600-48  | 48V, 0~13A   | ±1%  | 240mV | 89.0% |

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.75W

### ■ 1000W HRPG-1000

| Model No.    | Output     | Tol.  | R&N   | Effi. |
|--------------|------------|-------|-------|-------|
| HRPG-1000-12 | 12V, 0~80A | ±2%   | 150mV | 91.5% |
| HRPG-1000-15 | 15V, 0~64A | ±1.5% | 150mV | 92.0% |
| HRPG-1000-24 | 24V, 0~42A | ±1%   | 200mV | 93.0% |
| HRPG-1000-48 | 48V, 0~21A | ±1%   | 250mV | 94.0% |



### ■ 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%   |