



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 temp.
- 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)
- No load power consumption < 0.75W (HRPG-600)
- Built-in remote ON/OFF control & 5V / 0.3A standby output (HRPG series)
- Built-in current sharing (HRPG-600-24 / 36 / 48)
- Forced air cooling by built-in DC fan
- 1U low profile (HRP□-300 / 450)
- 100% full load burn-in test
- 5 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



| Model No. | HRP□-300 | HRP□-450 NEW | HRP□-600 |
|--------------------------|--|--|----------------|
| 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 | | |
| Working temperature | -30~+70°C (refer to output derating curve) | | |
| Safety standards | UL60950-1, TUV EN60950-1 approved | | |
| EMC standards | EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, ENV50204, EN61000-6-2 heavy industry level | | |
| Connection | 7P / 11mm pitch terminal block with cover | 3+6P / 10&11mm pitch terminal block with cover | |
| Dimension (LxWxH)(mm) | 199x 105x 41 | 218x 105x 41 | 218x 105x 63.5 |
| Case No. | 980A | 995A | 977A |

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% |
| 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

600W HRP□-600

| Model No. | Output | Tol. | R&N | Effi. |
|--------------|--------------|------|-------|-------|
| HRP□-600-3.3 | 3.3V, 0~120A | ±2% | 100mV | 78.5% |
| HRP□-600-5 | 5V, 0~120A | ±2% | 100mV | 82.0% |
| HRP□-600-7.5 | 7.5V, 0~80A | ±2% | 100mV | 86.0% |
| HRP□-600-12 | 12V, 0~53A | ±1% | 120mV | 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

450W **NEW** 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



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