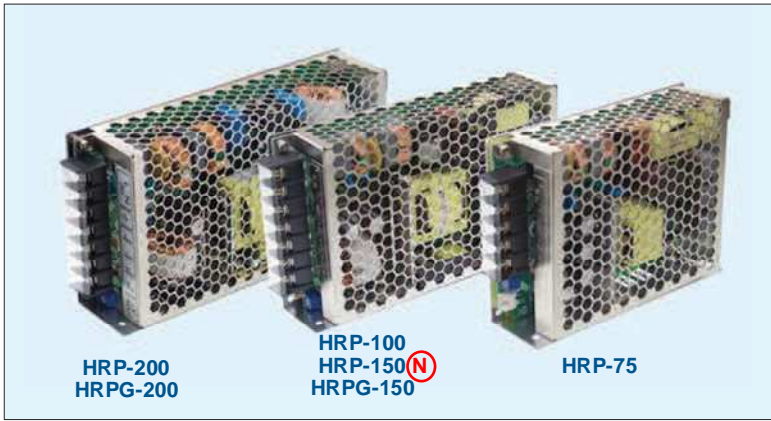


# HRP/G Series

75W ~ 1000W High Reliability with PFC



## Power Supply Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature (optional HRP-75/100)
- Constant current limiting or 200% overload (N-type)
- Remote voltage sense (except HRP-75/100)
- No load power consumption <0.5W (except HRP-150/200)
- Remote ON/OFF control (except HRP-150/200)
- Auxiliary 5V/0.3A output (HRPG-150/200)
- Cooling by free air convection
- 1U low profile
- LED indicator for power on
- 5 year warranty

Meanwell DIN Rail and Panel mounting hardware available!



### Energy Saving —

We care about saving energy. This logo indicates that these models have "low no-load power consumption"

## General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detailed specs)



Model No.	HRP-75	HRP-100	HRP□-150	HRP□-200
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%, 105~200% (HRP-150N)		
	Type	Constant current limiting, auto-recovery, 5-second 200% overload, re-power on to recover (HRP-150N)		
Over voltage protection	115~145%			
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC			
Working temperature	-40°C ~ +70°C (refer to output derating)	-40°C ~ +60°C	-40°C ~ +70°C	
Safety standards	AS/NZS62368.1, UL62368-1, TUV EN62368-1, EAC TP TC 004 approved			
EMC standards	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			
Connection	5P/ 9.5mm pitch terminal block with cover		7P/ 9.5mm pitch terminal block with cover	
Dimensions (LxWxH)	129x98x38mm	159x97x38mm	159x97x38mm	199x98x38mm
Weight	0.47kg	0.56kg	0.61kg, 0.54(N), 0.63(G)	0.77kg

### 75W HRP-75

Model No.	Output	Tol.	R&N	Eff.
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%

### 150W HRP□-150

Model No.	Output	Tol.	R&N	Eff.
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 and no load <0.5W  
○=blank, N; blank: constant current, N: 200% peak current (5 sec)

### 100W HRP-100

Model No.	Output	Tol.	R&N	Eff.
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%
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%

HRP-75, HRP-100: with remote on/off and no load <0.5W

### 200W HRP□-200

Model No.	Output	Tol.	R&N	Eff.
HRP□-200-3.3	3.3V, 0~40A	±2.0%	80mV	80.0%
HRP□-200-5	5V, 0~35A	±2.0%	90mV	84.0%
HRP□-200-7.5	7.5V, 0~26.7A	±2.0%	100mV	86.0%
HRP□-200-12	12V, 0~16.7A	±1.0%	120mV	88.0%
HRP□-200-15	15V, 0~13.4A	±1.0%	150mV	88.0%
HRP□-200-24	24V, 0~8.4A	±1.0%	150mV	88.0%
HRP□-200-36	36V, 0~5.7A	±1.0%	250mV	89.0%
HRP□-200-48	48V, 0~4.3A	±1.0%	250mV	89.0%

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

# HRP/G Series

75W ~ 1000W High Reliability with PFC



Meanwell panel mounting hardware available!

## Power Supply Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Constant current limiting or 200% overload (N-type)
- Remote voltage sense
- Built-in DC OK signal
- No load power consumption < 0.5W (HRPG-300/450)
- No load power consumption < 0.75W (HRPG-600/1000)
- Remote ON/OFF control (HRPG series)
- Auxiliary 5V/0.3A output (HRPG series)
- **Parallel up to 2400W/4000W (HRPG-600/1000)\***
- Forced air cooling by built-in DC fan
- 1U low profile (HRP/G-300/450)
- 5 year warranty



### Energy Saving —

We care about saving energy. This logo indicates that these models have "low no-load power consumption"

## General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detailed specs)



Model No.	HRP□-300	HRP□-450	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
Overload Protection	Range	105~135%, <b>105~200% (HLG-300N, HLG-600N)</b>		
	Type	Constant current limiting, auto-recovery, <b>5-second 200% overload, re-power on to recover (HLG-300N, HLG-600N)</b>		
Over voltage protection	120~140%			120~137%
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC			
Working temperature	-40°C ~ +70°C (refer to output derating curve)			
Safety standards	AS/NZS62368.1, UL62368-1, TUV EN62368-1, EAC TP TC 004 approved			
EMC standards	EN55032 class B (class A HRPG-1000), EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN61000-6-2 heavy industry level (except HRPG-1000)			
Connection	7P/ 11mm pitch terminal block with cover	3 + 6P/ 10 & 11 mm pitch terminal block with cover		
Dimension (LxWxH)	199x105x41mm	218x105x41mm	218x105x63.5mm, <b>218x105x61.5mm (N-type)</b>	
Weight	0.95kg, 0.9(N)	1.19kg	1.5kg, 1.39(N), 1.58(G)	1.53kg

### 300W HRP□-300

Model No.	Output	Tol.	R&N	Eff.
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 and no load < 0.5W  
○=blank, N; blank: constant current, N: 200% peak current (5 sec)

### 450W HRP□-450

Model No.	Output	Tol.	R&N	Eff.
HRP□-450-3.3	3.3V, 0~90A	±2.0%	80mV	80.0%
HRP□-450-5	5V, 0~90A	±2.0%	80mV	83.0%
HRP□-450-7.5	7.5V, 0~60A	±2.0%	100mV	86.5%
HRP□-450-12	12V, 0~37.5A	±1.0%	120mV	88.0%
HRP□-450-15	15V, 0~30A	±1.0%	150mV	89.0%
HRP□-450-24	24V, 0~18.8A	±1.0%	150mV	88.0%
HRP□-450-36	36V, 0~12.5A	±1.0%	240mV	89.0%
HRP□-450-48	48V, 0~9.5A	±1.0%	240mV	89.5%

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

### 600W HRP□-600

Model No.	Output	Tol.	R&N	Eff.
HRP□-600-3.3	3.3V, 0~120A	±2.0%	120mV	78.5%
HRP□-600-5	5V, 0~120A	±2.0%	150mV	82.0%
HRP□-600-7.5	7.5V, 0~80A	±2.0%	150mV	87.0%
HRP□-600○-12	12V, 0~53A	±1.0%	150mV	88.0%
HRP□-600-15	15V, 0~43A	±1.0%	150mV	88.0%
HRP□-600○-24*	24V, 0~27A	±1.0%	150mV	88.0%
HRP□-600○-36*	36V, 0~17.5A	±1.0%	200mV	89.0%
HRP□-600○-48*	48V, 0~13A	±1.0%	240mV	89.0%

□=blank, G; blank: basic function, G: with 5Vsb and no load < 0.75W  
○=blank, N; blank: constant current, N: 200% peak current (5 sec)

### 1000W HRPG-1000

Model No.	Output	Tol.	R&N	Eff.
HRPG-1000-12*	12V, 0~80A	±2.0%	150mV	91.5%
HRPG-1000-15*	15V, 0~64A	±1.5%	150mV	92.0%
HRPG-1000-24*	24V, 0~42A	±1.0%	200mV	93.0%
HRPG-1000-48*	48V, 0~21A	±1.0%	250mV	94.0%

G: with 5Vsb (standby voltage at 0.3A) and no load < 0.75W

\*These HRPG models allow parallel operation of up to 4 units



Medical versions available with medical safety approval 2xMOPP. The MSP range is in 100W, 200W, 300W, 450W, 600W & 1000W. — "MEANWELL" is the answer —