

Enclosed-PFC

300~600W Single Output



■ 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
- 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 DC OK signal (HRPG-300 / 450 / 600)
- Built-in current sharing (HRPG-600-24 / 36 / 48)
- Forced air cooling by built-in DC fan (HRP□-300 / 450 / 600)
- 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 Under Development	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 (HRP□-450 pending)		
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	-----	977A

■ 300W HRP□-300

Model No.	Output	Tol.	R&N	Effi.
HRP□-300-5	5V, 0~60A	±2.0%	90mV	82%
HRP□-300-7.5	7.5V, 0~40A	±2.0%	100mV	86%
HRP□-300-12	12V, 0~27A	±1.0%	120mV	88%
HRP□-300-15	15V, 0~22A	±1.0%	150mV	88%
HRP□-300-24	24V, 0~14A	±1.0%	150mV	87%
HRP□-300-36	36V, 0~9A	±1.0%	250mV	88%
HRP□-300-48	48V, 0~7A	±1.0%	250mV	89%

□ =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	87.0%
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 Under Development HRP□-450

Model No.	Output	Tol.	R&N	Effi.
HRP□-450-3.3	3.3V, 0~90A	±2%	80mV	80%
HRP□-450-5	5V, 0~90A	±2%	80mV	82%
HRP□-450-7.5	7.5V, 0~60A	±2%	80mV	86%
HRP□-450-12	12V, 0~37.5A	±1%	120mV	88%
HRP□-450-15	15V, 0~30A	±1%	150mV	88%
HRP□-450-24	24V, 0~18.8A	±1%	150mV	88%
HRP□-450-36	36V, 0~12.5A	±1%	200mV	89%
HRP□-450-48	48V, 0~9.5A	±1%	240mV	89%

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



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