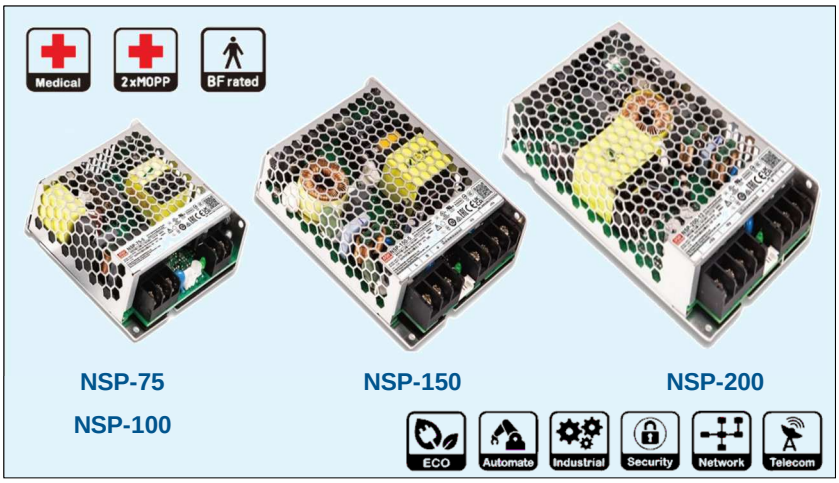
NSP Series 75W~200W Single Output with PFC function



Power Supply Features

- **Ultra low profile: 30mm**
- Universal AC input / Full range
- Active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Extensive range of voltages 5V to 60V
- Constant current limiting, 200% peak (12~60V)
- Remote ON/OFF control
- LED indicator for power on
- DC OK signal, Remote Voltage Sense (>100W)
- **5 year warranty**

General Specifications (Please refer to www.procontechnology.com.au for detailed specs)

Model No.		NSP-75	NSP-100	NSP-150	NSP-200
AC input voltage range		85~305VAC; 120~431VDC			
AC inrush current (max.)		35A at 230VAC, cold start		45A at 230VAC, cold start	40A at 230VAC, cold start
DC adjustment range		**5V:**4.7~5.5V, **7.5V:**6.8~9V, **12V:**10.8~14V, **15V:**15~19V, **24V:**21~26V, **27V:**26~32V, **36V:**32~43V, **48V:**44~57V, **60V:**54~72V			
Overload protection	Range	**5V:** 107~170%, **7.5V:** 105~150%, **12~60V:** 105~200%			
	Type	**5V:** Hiccup mode; **7.5V:** Constant Current(CC) for 5s then shut down, **12~60V:** Up to 200% for 5s then CC, shutdown if Vo<30%			
Over voltage protection	Range	115~150%			
	Type	Shut down O/P voltage, re-power on to recover			
Withstand voltage		**I/P-O/P:** 4.2kVac, **I/P-FG:** 2.1kVAC, **O/P-FG:** 1.5kVAC, OVC III			
Working temperature		-40°C ~ +85°C (refer to output derating curve)			
Safety standards		BS EN62368-1, EN60335-1, EN61558-1/-2-16, AS/NZS62368-1, AS/NZS61558-1/-2-16			
EMC standards		EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11			
Connection		**I/P:** 3P, **O/P:** 2P / 8.25mm pitch terminal blocks		**I/P:** 3P, **O/P:** 4P / 9.5mm pitch	
Dimensions (LxWxH)		99x97x30mm	99x97x30mm	129x97x30mm	159x97x30mm
Weight		0.3kg	0.3kg	0.4kg	0.5kg

NSP Vs RSP

75W — NSP-75

Model No.	Output	Tol.	R&N	Eff.
NSP-75-5	5V, 0~15A	±2%	150mV	90.5%
NSP-75-12	12V, 0~6.3A	±2%	150mV	92.0%
NSP-75-15	15V, 0~5A	±2%	150mV	92.0%
NSP-75-24	24V, 0~3.2A	±1%	150mV	90.5%
NSP-75-27	27V, 0~2.8A	±1%	240mV	91.0%
NSP-75-36	36V, 0~2.1A	±1%	240mV	91.5%
NSP-75-48	48V, 0~1.6A	±1%	240mV	92.0%
NSP-75-60	60V, 0~1.3A	±1%	300mV	92.0%

150W — NSP-150

Model No.	Output	Tol.	R&N	Eff.
NSP-150-5	5V, 0~30A	±2%	150mV	91.0%
NSP-150-7.5	7.5V, 0~20A	±2%	150mV	91.5%
NSP-150-12	12V, 0~12.5A	±2%	150mV	93.0%
NSP-150-15	15V, 0~10A	±2%	150mV	93.5%
NSP-150-24	24V, 0~6.3A	±1%	200mV	92.0%
NSP-150-27	27V, 0~5.6A	±1%	240mV	92.0%
NSP-150-36	36V, 0~4.2A	±1%	240mV	92.5%
NSP-150-48	48V, 0~3.2A	±1%	240mV	92.5%
NSP-150-60	60V, 0~2.6A	±1%	300mV	93.0%

100W — NSP-100

Model No.	Output	Tol.	R&N	Eff.
NSP-100-5	5V, 0~20A	±2%	150mV	90.0%
NSP-100-7.5	7.5V, 0~13.4A	±2%	150mV	91.0%
NSP-100-12	12V, 0~8.5A	±2%	150mV	92.0%
NSP-100-15	15V, 0~6.7A	±2%	150mV	92.0%
NSP-100-24	24V, 0~4.2A	±1%	200mV	91.0%
NSP-100-27	27V, 0~3.7A	±1%	240mV	91.0%
NSP-100-36	36V, 0~2.8A	±1%	240mV	91.5%
NSP-100-48	48V, 0~2.1A	±1%	240mV	92.0%
NSP-100-60	60V, 0~1.7A	±1%	300mV	92.0%

200W — NSP-200

Model No.	Output	Tol.	R&N	Eff.
NSP-200-5	5V, 0~40A	±2%	200mV	92.0%
NSP-200-7.5	7.5V, 0~26.8A	±2%	200mV	92.0%
NSP-200-12	12V, 0~16.7A	±2%	200mV	93.5%
NSP-200-15	15V, 0~13.4A	±2%	200mV	94.0%
NSP-200-24	24V, 0~8.4A	±1%	240mV	94.5%
NSP-200-27	27V, 0~7.4A	±1%	240mV	94.5%
NSP-200-36	36V, 0~5.6A	±1%	240mV	94.5%
NSP-200-48	48V, 0~4.2A	±1%	240mV	94.0%
NSP-200-60	60V, 0~3.4A	±1%	300mV	94.0%

Tol = voltage tolerance; R&N = Ripple & Noise (peak to peak); Eff = Efficiency