



Power Supply Features

- Universal AC input / Full range
- **Medical safety approved (2xMOOP)**
- Low leakage current $\leq 300\mu\text{A}$ ($\leq 450\mu\text{A}$ for MSP-300)
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- 1U low profile (MSP-100/200/300/450)
- Built-in constant current limiting
- Built-in remote sense function (MSP-200/300/450/600)
- No load power consumption $< 0.5\text{W}$ ($< 0.6\text{W}$ for MSP-450; $< 0.8\text{W}$ for MSP-600/1000)
- **Parallel up to 4000W (MSP-1000)**
- Built-in remote ON/OFF control
- Built-in 5V/0.3A standby output (except MSP-100/200)
- Built-in DC OK signal (except MSP-100/200)
- LED indicator for power on
- **5 year warranty**

Energy Saving —

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

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



Model No.	MSP-100	MSP-200	MSP-300	MSP-450	MSP-600
AC input voltage range	85~264VAC; 120~370VDC				
AC inrush current (max)	Cold start, 65A at 230VAC		Cold start, 70A at 230VAC		Cold start, 80A at 230VAC
DC adjustment range	$\pm 15\%$ 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:4kVAC, I/P-FG:2kVAC, O/P-FG:0.5kVAC				
Working temperature	-40°C ~ +60°C		-40°C ~ +70°C (refer to output derating curve)		
Safety standards	ANSI/AAMI ES60601-1, IEC60601-1, EAC TP TC 004 approved				
EMC standards	EN55011 (CISPR11) class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN60601-1-2, EAC TP TC 020				
Connection	7P / 9.5mm pitch terminal block with cover		7P / 11mm pitch terminal block with cover	3+6P / 10mm & 11mm pitch terminal block with cover	
Dimension (LxWxH)	159x97x38mm	199x98x38mm	199x105x41mm	218x105x41mm	218x105x63.5mm
Weight	0.38kg	0.77kg	0.95kg	1.19kg	1.57kg

100W

MSP-100

Model No.	Output	Tol	R&N	Eff.
MSP-100-3.3	3.3V, 0~20A	+2.5%, -3.5%	80mV	78.0%
MSP-100-5	5V, 0~17A	+2.5%, -3.5%	80mV	83.0%
MSP-100-7.5	7.5V, 0~13.5A	$\pm 2.5\%$	100mV	84.0%
MSP-100-12	12V, 0~8.5A	$\pm 1.5\%$	120mV	87.5%
MSP-100-15	15V, 0~7A	$\pm 1.5\%$	150mV	88.0%
MSP-100-24	24V, 0~4.5A	$\pm 1.5\%$	150mV	88.5%
MSP-100-36	36V, 0~2.9A	$\pm 1.5\%$	200mV	89.0%
MSP-100-48	48V, 0~2.2A	$\pm 1.5\%$	240mV	90.0%

Model No.	Output	Tol	R&N	Eff.
MSP-300-15	15V, 0~22A	$\pm 1\%$	150mV	88.0%
MSP-300-24	24V, 0~14A	$\pm 1\%$	150mV	87.0%
MSP-300-36	36V, 0~9A	$\pm 1\%$	250mV	88.0%
MSP-300-48	48V, 0~7A	$\pm 1\%$	250mV	89.0%

200W

MSP-200

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

450W

MSP-450

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

300W

MSP-300

Model No.	Output	Tol.	R&N	Eff.
MSP-300-3.3	3.3V, 0~60A	$\pm 2.5\%$	80mV	80.0%
MSP-300-5	5V, 0~60A	$\pm 2\%$	90mV	82.0%
MSP-300-7.5	7.5V, 0~40A	$\pm 2\%$	100mV	86.0%
MSP-300-12	12V, 0~27A	$\pm 1\%$	120mV	88.0%

600W

MSP-600

Model No.	Output	Tol	R&N	Eff.
MSP-600-3.3	3.3V, 0~120A	$\pm 2\%$	100mV	78.5%
MSP-600-5	5V, 0~120A	$\pm 2\%$	100mV	82.0%
MSP-600-7.5	7.5V, 0~80A	$\pm 2\%$	100mV	86.0%
MSP-600-12	12V, 0~53A	$\pm 1\%$	120mV	88.0%
MSP-600-15	15V, 0~43A	$\pm 1\%$	150mV	88.0%
MSP-600-24	24V, 0~27A	$\pm 1\%$	150mV	88.0%
MSP-600-36	36V, 0~17.5A	$\pm 1\%$	200mV	89.0%
MSP-600-48	48V, 0~13A	$\pm 1\%$	240mV	89.0%