



### Power Supply Features

- Universal AC input / Full range
- **Medical safety approved (2xMOOP) = MSP-1000**
- **Medical safety approved (1xMOOP) = others**
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature (optional MSP-100)
- 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 <0.5W (<0.6W for MSP-450; <0.8W for MSP-600/1000)
- **Parallel up to 2400W (MSP-600)\*, 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](http://www.procontechology.com.au) for detailed specs)



Model No.	MSP-100	MSP-200	MSP-300	MSP-450	MSP-600	MSP-1000
<b>AC input voltage range</b>	85~264VAC; 120~370VDC / 90~264VAC; 127~370VDC (MSP-1000)					
<b>AC inrush current (max)</b>	65A at 230VAC*	70A at 230VAC, *cold start			80A at 230VAC*	40A at 230VAC*
<b>DC adjustment range</b>	±15% rated output voltage					-8%~+17%
<b>Overload protection</b>	<b>Range</b>	105~135%				
	<b>Type</b>	Constant current limiting, auto-recovery				
<b>Over voltage protection</b>	115~145%					120~137%
<b>Withstand voltage</b>	I/P-O/P:4kVAC, I/P-FG:2kVAC, O/P-FG:0.5kVAC / I/P-O/P:4.5kVAC, I/P-FG:2kVAC, O/P-FG:1.5kVAC (MSP-1000)					
<b>Working temperature</b>	-40°C ~ +60°C	-40°C ~ +70°C (refer to output derating curve)				
<b>Safety standards</b>	ANSI/AAMI ES60601-1, IEC60601-1, EAC TP TC 004 approved					
<b>EMC standards</b>	EN55011 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN60601-1-2, EAC TP TC 020, EN55032 class A (MSP-1000)					
<b>Connection</b>	7 P / 9.5mm pitch terminal block		7 P / 11mm pitch	3 + 6 P / 10mm & 11mm pitch terminal block		
<b>Dimensions (LxWxH)</b>	159x97x38mm	199x98x38mm	199x105x41mm	218x105x41mm	218x105x63.5mm	
<b>Weight</b>	0.38kg	0.77kg	0.95kg	1.19kg	1.57kg	1.53kg

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	±2.5%	100mV	84.0%	
MSP-100-12	12V, 0~8.5A	±1.5%	120mV	87.5%	
MSP-100-15	15V, 0~7A	±1.5%	150mV	88.0%	
MSP-100-24	24V, 0~4.5A	±1.5%	150mV	88.5%	
MSP-100-36	36V, 0~2.9A	±1.5%	200mV	89.0%	
MSP-100-48	48V, 0~2.2A	±1.5%	240mV	90.0%	

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

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

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

300W		MSP-300			
Model No.	Output	Tol.	R&N	Eff.	
MSP-300-3.3	3.3V, 0~60A	±2.5%	80mV	80.0%	
MSP-300-5	5V, 0~60A	±2%	90mV	82.0%	
MSP-300-7.5	7.5V, 0~40A	±2%	100mV	86.0%	
MSP-300-12	12V, 0~27A	±1%	120mV	88.0%	
MSP-300-15	15V, 0~22A	±1%	150mV	88.0%	
MSP-300-15	24V, 0~14A	±1%	150mV	87.0%	
MSP-300-15	36V, 0~9A	±1%	250mV	88.0%	
MSP-300-15	48V, 0~7A	±1%	250mV	89.0%	

1000W		(Parallel)* MSP-1000			
Model No.	Output	Tol.	R&N	Eff.	
MSP-1000-12*	12V, 0~80A	±2%	150mV	91.5%	
MSP-1000-15*	15V, 0~64A	±1.5%	150mV	92.0%	
MSP-1000-24*	24V, 0~42A	±1%	200mV	93.0%	
MSP-1000-48*	48V, 0~21A	±1%	250mV	94.0%	



To satisfy all customers is our goal —

- High Quality
- Low Cost
- Prompt Delivery
- Simply the Best Service