



Power Supply Features

- Universal AC input / Full range
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Output wattage:
 - USP-150:** 150W convection
 - USP-225:** 150W convection, 225W with 18CFM forced air
 - USP-350:** 300W convection, 350W with 23.5CFM forced air
 - USP-500:** 400W convection, 500W with 23.5CFM forced air
- High power density: 5.5W/in³ (USP-150) ; 4.7W/in³ (USP-225); 6.32W/in³ (USP-350); 6.2W/in³ (USP-500)
- U-bracket low profile: 33mm (USP-150); 38mm(USP-225/300); 41mm (USP-500)
- Built-in remote ON/ OFF control, remote sense, DC OK signal (USP-500)
- **Optional parallel operation for USP-500-24/48**
- **3 year warranty**



Quality products need quality service.

Procon Technology has plenty of stock on hand for prompt delivery. We can also offer you technical support and backup. Please contact us for more information. You can also contact us at procon@tpg.com.au for further information on any Meanwell products and services.



We can provide specifications, drawings, test reports, manuals and much more, please visit our website — www.procontechology.com.au

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

Model No.	USP-150	USP-225	USP-350	USP-500
AC input voltage range	90~295VAC; 127~417VDC		90~264VAC; 127~370VDC	
AC inrush current (max.)	Cold start, 65A at 230VAC	15A at 115VAC, 35A at 230VAC	22A at 115VAC, 44A at 230VAC	30A at 115VAC, 50A at 230VAC
DC adjustment range	±10% rated output voltage			
Overload protection	Range	110~160%	105~150%	105~130%
	Type	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery	
Over voltage protection	Range	110~135%	110~135%	115~135%
	Type	Shut off, AC recycle to re-start	Hiccup mode, auto-recovery	Shut off, AC recycle to re-start
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC			
Working temperature	-30°C ~ +65°C	-20°C ~ +65°C	-10°C ~ +65°C	-20°C ~ +70°C
Vibration	10~500Hz, 2G 10 min./ 1 cycle, 60 min. each along X, Y, Z axes			
Safety standards	UL60950-1, TUV EN60950-1 (except for USP-150), EAC TP TC 004 approved			
EMC standards	EN55032(CISPR32) class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020			
Connections	JST: SVH-21T-P1.1, 4P / 7.62mm pitch terminal block	20P / 2.54mm pitch, Molex 39-29-9206	5 + 9P x 2/3.96mm pitch, JST: B5P / B9P x 2 - VH	3 + 8P / 8.5mm pitch terminal block with cover
Size (LxWxH), Weight	215x67.4x33mm, 0.48kg	202x101.5x38mm, 0.85kg	235.2x101.5x38mm, 1.1kg	254x127x41mm, 1.6kg

USP-150 Series



Model No.	Output	Tol.	R&N	Eff.
USP-150-12	12V, 0~12.5A	±2%	100mV	91.5%
USP-150-15	15V, 0~10.0A	±2%	150mV	91.5%
USP-150-24	24V, 0~6.30A	±2%	150mV	93.0%
USP-150-36	36V, 0~4.20A	±2%	250mV	93.0%
USP-150-48	48V, 0~3.20A	±2%	250mV	93.0%

USP-350 Series



Model No.	Output	Tol.	R&N	Eff.
USP-350-3.3	3.3V, 0~70.0A	±2%	80mV	78%
USP-350-5	5V, 0~70.0A	±2%	80mV	84%
USP-350-12	12V, 0~29.2A	±2%	100mV	88%
USP-350-15	15V, 0~23.4A	±2%	100mV	88%
USP-350-24	24V, 0~14.6A	±2%	150mV	88%
USP-350-48	48V, 0~7.30A	±2%	150mV	89%

USP-225 Series



Model No.	Output	Tol.	R&N	Eff.
USP-225-3.3	3.3V, 0~40.0A	±2%	100mV	72%
USP-225-5	5V, 0~40.0A	±2%	100mV	77%
USP-225-12	12V, 0~18.7A	±2%	100mV	83%
USP-225-15	15V, 0~15.0A	±2%	100mV	84%
USP-225-24	24V, 0~9.40A	±2%	150mV	85%
USP-225-48	48V, 0~4.70A	±2%	250mV	86%

USP-500 Series



Model No.	Output	Tol.	R&N	Eff.
USP-500-5	5V, 0~80.0A	±2%	80mV	85%
USP-500-12	12V, 0~42.0A	±2%	100mV	90%
USP-500-15	15V, 0~33.5A	±2%	100mV	90%
USP-500-24	24V, 0~21.0A	±2%	150mV	89%
USP-500-48	48V, 0~10.5A	±2%	150mV	90%