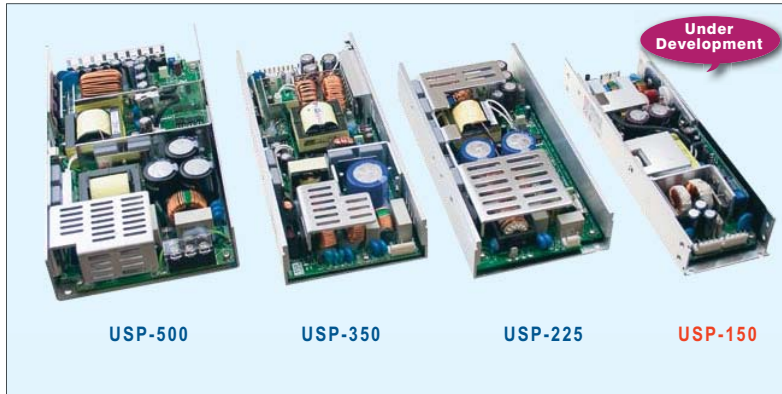


# U-bracket-PFC

150~500W Single Output



## Features

- Universal AC input / Full range
- Built-in active PFC
- Protections: 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/in<sup>3</sup> (USP-150); 4.7W/in<sup>3</sup> (USP-225); 6.32W/in<sup>3</sup> (USP-350); 6.2W/in<sup>3</sup> (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 current sharing(1+1) for 24&48V models(USP-500)
- 3 years warranty

## General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)



Model No.	USP-150 <span style="color:red">Under Development</span>	USP-225	USP-350	USP-500
AC input voltage range	90~305VAC, 127~431VDC	90~264VAC, 127~370VDC		
AC inrush current (max.)	Cold start, 65A at 230VAC	15A at 115VAC, 30A at 230VAC	22A at 115VAC, 44A at 230VAC	30A at 115VAC, 50A at 230VAC
DC adjustment range	±10% rated output voltage			
Overload protection	Range	130%~170%	105%~150%	105%~130%
	Type	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery	
Over voltage protection	Range	110%~135%	110%~135%	110%~140%
	Type	Hiccup mode, auto-recovery	Shut off, AC recycle to re-start	Hiccup mode, auto-recovery
Withstand voltage	I/P - O/P: 3.75kVAC, I/P - FG: 1.5kVAC, O/P - FG: 0.5kVAC, 1 minute			
Working temperature	-40~+70°C	-20~+65°C	-10~+65°C	-20~+70°C
Vibration	10~500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes	10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
Safety standards	Design refer to UL60950-1, TUV EN60950-1, UL8750, EN61347-2-13	UL60950-1, TUV EN60950-1 approved		
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204; EN55015 and EN61547, EN61000-6-2 (USP-150 only)			
Connection	5+5P×2/3.9mm pitch, JST: B5P/B5Px2-VH	20P/2.54mm pitch, Molex 39-29-9206	5+9P×2/3.96mm pitch, JST: B5P/B9Px2-VH	3+8P/8.5mm pitch terminal block with cover
Dimension (LxWxH)(mm)	210x 67.4x 33	202x 101.5x 38	235.2x 101.5x 38	254x 127x 41

## 150W Under Development USP-150

Model No.	Output	Tol.	R&N	Effi.
USP-150-3.3	3.3V, 0~30.0A	±2%	100mV	81.0%
USP-150-5	5V, 0~26.0A	±2%	100mV	87.0%
USP-150-12	12V, 0~12.5A	±2%	100mV	91.5%
USP-150-15	15V, 0~10.0A	±2%	100mV	91.5%
USP-150-24	24V, 0~6.30A	±2%	150mV	93.0%
USP-150-36	36V, 0~4.20A	±2%	200mV	93.0%
USP-150-48	48V, 0~3.20A	±2%	200mV	93.0%

## 350W USP-350

Model No.	Output	Tol.	R&N	Effi.
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%

## 225W USP-225

Model No.	Output	Tol.	R&N	Effi.
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%

## 500W USP-500

Model No.	Output	Tol.	R&N	Effi.
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%