



Features

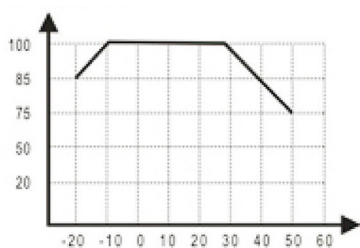
- Wide Universal Input Voltage Range
- Long-Life Electrolytic Capacitors, lifespan of 4000-10000 hours
- Compliant with EN55022-B Electromagnetic Compatibility
- Over-Voltage, Over-Power, and Short-Circuit Protection
- Compact Size, High Efficiency up to 90%
- 100% Fully Tested and subjected to aging during production

Specifications		TPS-UMU120S-5V	TPS-UMU120S-12V	TPS-UMU120S-18V	TPS-UMU120S-24V	TPS-UMU120S-36V	TPS-UMU120S-48V
Output	Output Voltage	5V	12V	18V	24V	36V	48V
	Rated Current	15A	10A	6.5A	5A	3.4A	2.5A
	Current Range	0-15A	0-12A	0-7A	0.5-5A	0-3.5A	0-2.5A
	Ripple	<100mVp-p	<150mVp-p	<200mVp-p	<240mVp-p	<240mVp-p	<240mVp-p
	Output Accuracy	±1%	±1%	±1%	±1%	±1%	±1%
	Voltage Regulation	±1%	±1%	±1%	±1%	±1%	±1%
	Load Regulation	±1%	±1%	±1%	±1%	±1%	±1%
	Rated Power	75W	120W	117W	120W	122W	120W
	Output Adjustable Range	4.5-6.5V	10.5-14.5V	16.5-21.5V	21.5-26.5V	32-38.5V	43.5-53V
	Setup/Rise/Hold Time	300ms、 50ms、 50ms/220VAC					
Input	Input Voltage Range	100-264VAC					
	Input Current	<2A(average current0.8~1.6A)					
	Frequency Range	47-63Hz					
	Efficiency	78.5%	83%	85%	87%	88%	91%
	Inrush Current	COLD START<50A/230VAC					
	Leakage Current	<5mA/220VAC					
Protection	Over-Power Protection	150~170% rated power, automatically recovers after fault removal.					
	Over-Voltage Protection	VH1:>150%					
	DC Short-Circuit Protection	Power Intermittently Cycles, power supply recovers after the short circuit is cleared.					
Environmental Parameters	Operating Temperature and Humidity	-25°C~+50°C@100% LOAD,+60°C@60%LOAD:20%-90% RH					
	Storage Temperature and Humidity	25°C~+85 10%-95%RH					
Safety EMC	Safety Standards	MEET EN62368-1 EMC EN55022					
	Withstand Voltage	I/P-O/P: 2.5KVAC 1min <3Ma; I/FG: 1.5KV 1Min<3Ma; O/FG: 500VDC					
	Insulation Resistance	I/P-O/P: 500VDC/100M ohms					
Mechanical Specifications	Dimensions(L*W*H)	108x64x36mm					
	Weight	246G					

Notes	<ol style="list-style-type: none"> All parameters are measured under the following conditions: rated input voltage of 220V AC, rated load, ambient temperature of 25°C, and humidity of 70%. Accuracy: Includes setting error, voltage regulation, and load regulation. Ripple testing: Connect the power supply and load with a 30CM twisted pair. The load is connected with a 0.1μF ceramic capacitor and a 47μF capacitor, and measured at the load end using a 20MHz oscilloscope. Voltage regulation: Measured with the input voltage varying from low to high under rated load conditions. Load regulation: Measured with the output varying from 0% load to 100% load. Each output can provide the maximum current, but the total load should not exceed the maximum output power.
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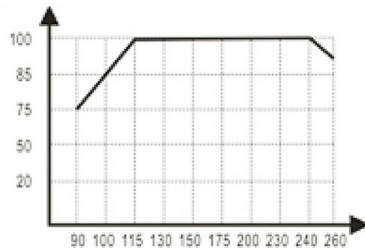
Product Characteristic Curve

• Load Current (%)



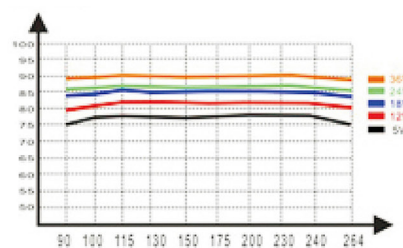
Ambient Temperature°C
Derating Curve for Environmental Temperature

• Load Current (S)



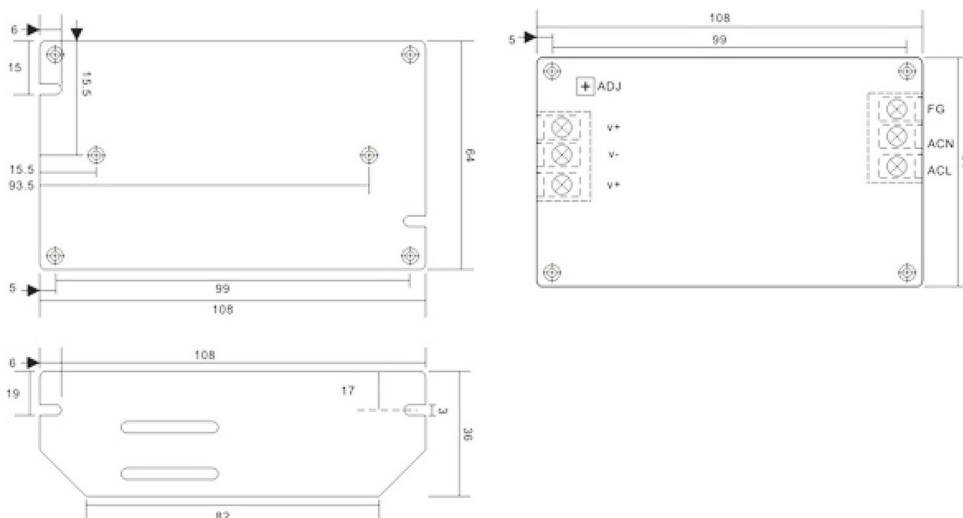
Input Voltage (AC V)


• Efficiency (%)



Input Voltage (AC V)
Load Current Derating Curve

Mechanical Dimensions (mm)



 This electronic device must not be disposed of in the household waste at the end of its service life. For your return, there are free collection points for electrical appliances and, if necessary, additional points of acceptance for the reuse of the devices in your area. The addresses can be obtained from your city or communal administration. If the old electrical or electronic device contains personal data, you are responsible for deleting it before you return it. Further information: www.elektrogesetz.de