

Features:



- Universal AC input range(90~264Vac)
- ➢ High efficiency up to 89%
- Built-in current limiting circuit
- > Output protections: OVP/OLP/SCP/OTP
- \blacktriangleright Wide operating ambient temp (-20 °C ~70 °C)
- Built-in DC OK function
- Can be installed on TS-35/7.5 or TS-35/15
- > 100% full load burn-in test
- Suitable for critical applications
- > Operating altitude up to 6000m
- PCB with conformal coating
- Ultra-slim,45mm width
- ➢ 3 years warranty

SPECIFICATION

MODEL		RPS-U120S12	RPS-U120S24	RPS-U120S48		
DC Output		12V	24V	48V		
OUTPUT	Rated Current		10A	5A	2.5A	
	Current Range Note 1		0~10A	0~5A	0~2.5A	
	Ripple and Noise	0~70° ℃	≤120mV	≤120mV	≤240mV	
	Note 2	-20°C [~] 0	≤240mV	≤240mV	≤480mV	
	Voltage ADJ. Range		12~14V	24~28V	48~56V	
	Voltage Accuracy		±1.0%			
	Line Regulation		±0.5%			
	Load Regulation		±1.0%			
	Set-up Time		<1.2S@230Vac ; <3.0mS@115Vac			
	Hold up Time		≥10mS@115Vac; ≥20mS@230Vac Full load			
	Temperature Coefficient		±0.03%/° C			
	Overshoot and Undershoot		<5.0%			
	Voltage Range		90Vac~264Vac, 127Vdc-370Vdc			
	Frequency Range		47Hz~63Hz			
INPUT	Efficiency (Typical)		85%	88%	89%	
INPUT	AC Current (max.)		<2.7 A/115VAC ; <1.35A/230VAC			
	Inrush Current (Typical)		20A/115Vac ; 35A/230Vac Cold start			
	Leakage Current		Input—output:<0.25mA Input—PG:<3.5mA (264Vac input, 63Hz)			
	Over Load		10.5~13A	5.25~6.5A	2.75~3.25A	
			Protection type: Constant current			
	Over voltage		15~18V	29~33V	58~63V	
PROTECTION			Protection type: Shut down, re-power on.			
	Over temperature		100 \pm 5 °C, detect on heat sink of power transistor; shut down O/P, re-power on.			
	Short Circuit		Long-term mode, auto recovery			
	Operating amb.Temp.&Hum.		-20°C~70°C; 20%~90%RH No condensing (pls refer to derating curve)			
ENVIRONMENT	Storage Temp. & Hum.		-40°C~85°C; 5%~95%RH No condensing			
Environment	Safety Standards		UL508, UL60950, EN60950			
	Withstand Voltage		Primary-Secondary:3.0KVac/10mA.			
			Primary-PG:1.5KVac/10mA.			
			Secondary-PG: 0.5KVac/10mA.			
SAFETY & EMC	Isolation Resistance		10M ohms			
Note 3	EMC Emission		Compliance to EN55022, EN55024, FCC PART 15 Class B			
	Harmonic Current		Compliance to EN61000-3-2, CLASS A			
	EMC Immunity		Compliance to EN61000-4-2,3,4,5,6,11; heavy industry level			
	MTBF (MIL-HDBK-217F)		More than 500,000Hrs (25 °C, Full load)			
	Dimension (L*W*H)		124*119*45mm			
OTHERS	Cooling method		Cooling by free air convection			



	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.					
	2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF parallel capacitor.					
NOTE	3. The power supply is considered as a component which will be installed into a final equipment. The final equipment must be re-confirmed that it					
	still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies" on					
	www.rievtech.com.					



RIEV/TECH 120Watts Single Output Industrial DIN Rail Power Supply RPS-U120 Series **RPS-U120 Series**

Mechani							
	ical Specification	on	Unit: mm	l			
	45 38.1 38.1 45 38.1 45 38.1 45 6 6 6 6 6 6 6 6 6 6 6 6 6						
1.AC Scre	w terminal in	formation					
No.	Function	Wire Spe	ecs	Recommended torque			
1 2 3	PE N L	20-10AV	VG	5Nm			
2.DC Scre	w terminal in	formation					
No.	Function	Wire Spe	ecs	Recommended torque			
4~6 7~9	V+ V-	20-10AV		5Nm			
			AC/	DC Terminal blocks			
Туре				ew terminal blocks			
Solid Wire			0.5-6mm ²				
Strand Wire			0.5-4mm ²				
Wire Spec			AWG20-10				
Max Wire Diameter				2.8mm			
	nded strinnin	a lenath	7mm				
Recomme		3					
Recomme Screwdrive			3.5n 0.5N	nm Straight or Cross Screwo	driver		















