



Features :

- Plastic case, Ultra slim
- Support wide range of AC/DC auxiliary supply
- Efficiency > 89% @ 230V AC
- Full power between -25°C to +50°C
- Protection against short circuit, overload, overvoltage & over temperature
- Cooling by free air convection

Model Number Legend:

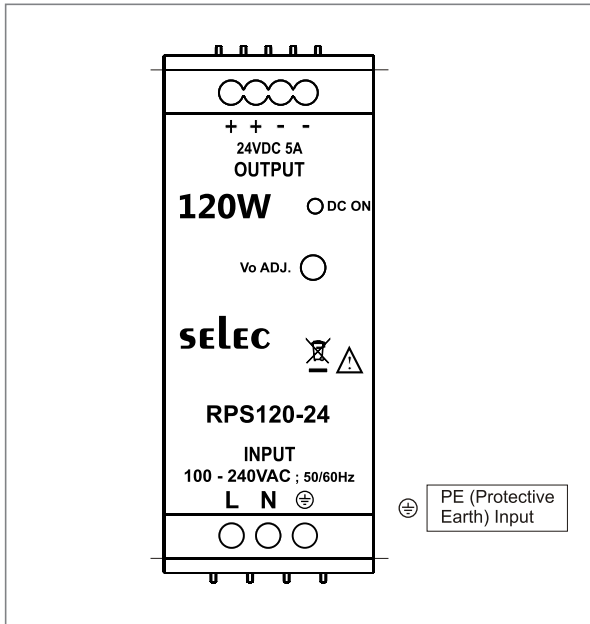
RPS120 - □ □

1. Output Voltage: 12: 12V
15: 15V
24: 24V
48: 48V

SPECIFICATIONS:

MODEL		RPS120-12	RPS120-15	RPS120-24	RPS120-48
OUTPUT	NOMINAL DC VOLTAGE	12V	15V	24V	48V
	RATED CURRENT	10A	8A	5A	2.5A
	CURRENT RANGE	0 - 10A	0 – 8A	0 – 5A	0 – 2.5A
	RATED POWER	120W	120W	120W	120W
	RIPPLE & NOISE (max)	<1% of Vout	<1% of Vout	<1% of Vout	<1% of Vout
	VOLTAGE ADJ. RANGE	12 to 14 V	15 to 17.5 V	24 to 28 V	48 to 56 V
	VOLTAGE TOLERANCE	± 1 %			
	LINE REGULATION	<1% of Vout			
	LOAD REGULATION	± 1 %			
	TURN ON TIME	<3 sec; at full load			
	HOLD UP TIME	≥ 60ms at 230V AC & ≥ 15ms at 115V AC, Full load			
RISE TIME	<100 ms				
INPUT	VOLTAGE RANGE	90 - 264V AC		127 - 370V DC	
	FREQUENCY RANGE	50 / 60 Hz			
	EFFICIENCY @ 230V AC	>86 %	>86 %	>89 %	>89 %
	AC CURRENT	2.2A @ 115V AC; 1.5A @ 230V AC			
	INRUSH CURRENT	<50 Amps; Measured at 264V AC, 25°C Ambient, Cold start			
	LEAKAGE CURRENT	< 1 mA; 264Vac input			
PROTECTION	OVERLOAD	110% to 140% of rated output current; Hiccup type; Autorecovery			
	OVERVOLTAGE	16V DC ±1V DC	20V DC ±1V DC	31.5V DC ±1V DC	60V DC ±2V DC
	OUTPUT SHORT CIRCUIT	Latched type; Input AC power to be recycled to recover the power supply			
	OVER TEMPERATURE	Hiccup mode when output is shorted; Autorecovery type. Power supply shuts down when the temperature of PCB below main transformer reaches typically 120°C; Turns on only after the temperature falls below 90°C typically and AC power is recycled thereafter.			
FUNCTION	DC OK SIGNAL	NA			
ENVIRONMENT	OPERATING TEMP	-25°C to +70°C; De-rate linearly above 50°C from 100% load at 50°C to 50% load at 70°C			
	STORAGE TEMP	-40°C to +85°C			
	COOLING	Natural convection cooled			
	HUMIDITY	5 to 95% RH, Non condensing			
	ALTITUDE	2000m			
	VIBRATION	Component : 10 – 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC	DIELECTRIC WITHSTAND VOLTAGE	I/P to Earth : 2500V AC I/P to O/P : 4000V AC O/P to Earth : 1500V AC			
OTHERS	DIMENSION	43*109.8*102.7mm (W*H*D)			
	WEIGHT	350 gms			
	MOUNTING	35 mm DIN rail			

Terminal connections



Ordering information

Product code	Description	Certification
RPS120-12	120W, 12V/10A DIN rail mounted Power Supply in Plastic Housing	---
RPS120-15	120W, 15V/8A DIN rail mounted Power Supply in Plastic Housing	---
RPS120-24	120W, 24V/5A DIN rail mounted Power Supply in Plastic Housing	---
RPS120-48	120W, 48V/2.5A DIN rail mounted Power Supply in Plastic Housing	---