

KEY FEATURES

- Open Frame Switching Power Supply
- Universal Input: 90-264 VAC
- Power Factor Correction
- Free Air Convection Cooling
- Ultra Compact Size: 5.0 x 3.0 x 1.16 Inches
- 2-Year Warranty


ELECTRICAL SPECIFICATIONS

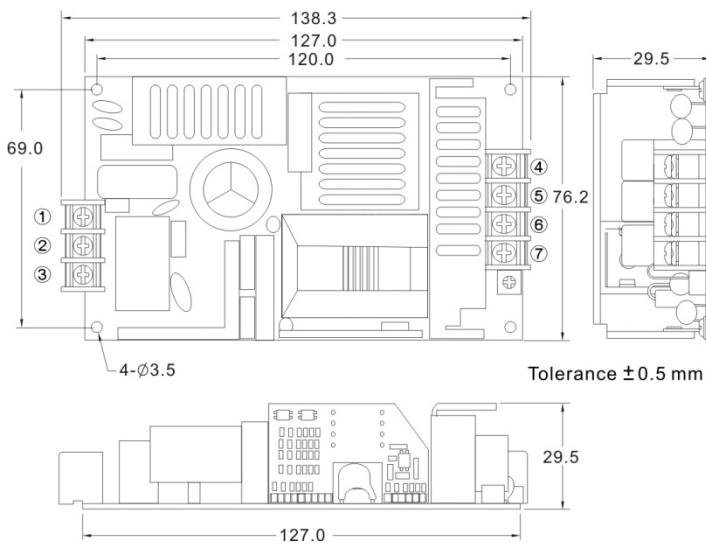
Model No.	OFS120-12S	OFS120-24S	OFS120-48S
Max Output Wattage (W)	120W	120W	120W
Input	Voltage		
	90-264 VAC or 120-370 VDC		
	Frequency (Hz)		
	47-63 Hz		
	Current (Full load)		
	<2.0 A max. (115 VAC) / <1.0 A max. (230 VAC)		
Inrush Current (<2ms)			
< 30 A max. (115 VAC) / < 60 A max. (230 VAC)			
Leakage Current			
< 0.5 mA max.			
Power Factor			
PF>0.98 (115 VAC) / PF>0.94 (230 VAC) at Full Load			
Output	Voltage (V.DC.)		12V
	Voltage Accuracy		±2%
	Current (Convection) (A) max		10
	Line Regulation		±1%
	Load Regulation		±1%
	Minimum Load		0%
	Maximum Capacitive Load		470-23,000µF depending on model
	Ripple & Noise		1% max.
	Efficiency (typ.)		90%
	Hold-up Time		20 ms min.
Protection	Switching Frequency		100 kHz
	Over Power Protection		Auto recovery
	Over Voltage Protection		Latch Off
Isolation	Short Circuit Protection		Auto recovery
	Input-Output (V.AC)		4000V
	Input-FG (V.AC)		2000V
Environment	Output-FG (V.AC)		500V
	Operating Temperature		-10°C...+70°C (with derating)
	Storage Temperature		-25°C...+85°C
	Temperature Coefficient		±0.03%/°C (0~50°C)
	Humidity		95% RH
	MTBF		>50,000 h @ 25°C (MIL-HDBK-217F)
Physical	Vibration		10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes.
	Dimension (L x W x H)		5.0 x 3.0 x 1.16 Inches (127.0 x 76.2 x 29.5 mm) Tolerance ±0.5 mm
	Weight		280 g
Safety & EMC	Cooling Method		Free convection
	Safety Approvals		UL60601-1 / IEC60601-1
	approval		CE, UL, cUL
	EMI / PFI conducted		EN 55011 class B, EN 55022 class B
	EMC Standards		EN60601-1-2
ESD Susceptibility		EN60601-1-2	

Safety & EMC	Radiated Susceptibility	EN60601-1-2
	EFT / Burst	EN60601-1-2
	Surge	EN60601-1-2
	Conducted Susceptibility	EN60601-1-2

1. All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

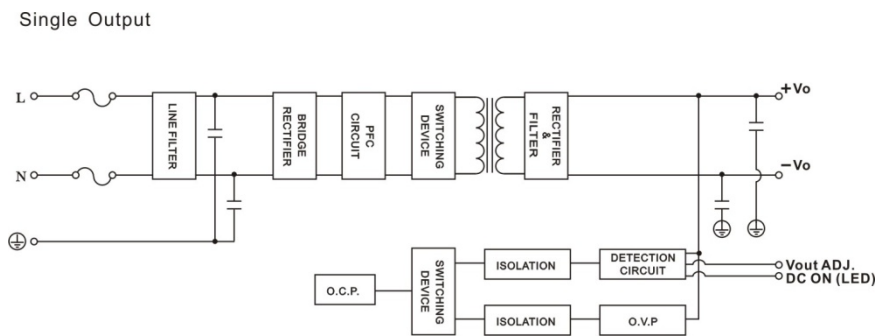
2. Ripple & Noise are measured at 20MHz of bandwidth with 0.1 μ F & 47 μ F parallel capacitor.

MECHANICAL DIMENSION (Top View)



PIN#	SINGLE
1	AC IN (L)
2	AC IN (N)
3	FG
4	+DC OUT
5	+DC OUT
6	-DC OUT
7	-DC OUT

BLOCK DIAGRAM



DERATING

