

## 30W Single Output Industrial DIN Rail Power Supply FSAP-30 Series

### ●Applications:

Industrial control system  
Semi-conductor fabrication equipment  
Factory automation  
Electro-mechanical

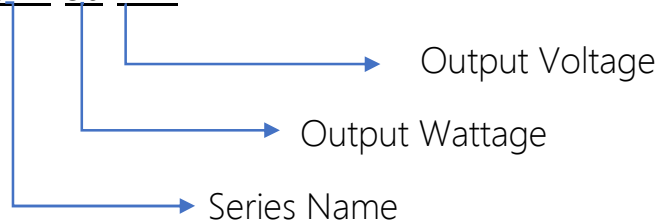


### ●Features:

Universal AC input/Full range  
Protections: Short Circuit/Overload/Over voltage  
Cooling by free air convection  
Can be installed on DIN rail TS-37/7.5 or 15  
UL60947, UL62368 Certification Passed  
LED indicator for power on  
100% full load burn-in test  
3 years warranty

### ●Model Encoding

FSAP-30-24A





## 30W Single Output Industrial DIN Rail Power Supply FSAP-30 Series

ITEM		FSAP30-24A	FSAP30-12A	FSAP30-15A	FSAP30-5A
<b>INPUT CHARACTERISTICS</b>					
AC Input Voltage	Rating	100-240VAC			
	Range	90-264VAC			
AC Input Frequency		47 – 63Hz			
AC Input Current		0.8A /115VAC, 0.4A/230VAC			
DC Input Voltage		120-370VDC			
Inrush Current(Typ.)		25A @ 115VAC / 50A @ 230VAC,cold start			
Power Factor		N/A			
<b>OUTPUT CHARACTERISTICS</b>					
Output Power		30W			20W
Output Voltage		24V	12V	15V	5V
Adjust Range		22 – 28V	10 – 14V	14 – 18V	4.5 – 5.5V
Output Current		1.25A	2.5A	2A	4A
Efficiency(230VAC)		85%	84%	84%	75%
Ripple and Noise		1% of Output Voltage (80mV@5V)			
Leakage Current		3.5mA			
Hold-Up Time		16mS			
Start Up Delay Time		2S			
Voltage Regulation		±1%			
Load Regulation		±1%			
Total Regulation		Line + Load + Temperature + Time: ± 2.5%			± 3%
Over Load Protection		105% - 150%, Auto resetting			
Short Circuit Protection		Continuous, Auto resetting			
Over Voltage Protection		29.4~36V	15.6~18V	19.7~22V	5.8~7.5V
Temperature Coefficient		± 0.03%			
Hi-pot		I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:500VAC,1min.			
<b>ENVIRONMENTAL REQUIREMENTS</b>					
Operating Temperature		-10~60°C , 50~60°C, Line Derating to 50% load.			
Storage & Shipping		- 40°C to 85°C			
Operating Humidity		10 - 90% RH, non condensing			
Storage Humidity		5-95% RH, non condensing			

Cooling	Free air cooling
Shock	IEC 68-2-27
Vibration	IEC 68-2-6
<b>SAFETY &amp; EMC REQUIREMENTS</b>	
Safety Approvals	UL62368, UL60947
CE-Mark Directives	CE marked to EMC / LVD
EMI Emissions	EN55022 Class B, FCC part15 Class B
Harmonic Current	Conforms to EN61000-3-2
EMC Immunity	IEC 61000 – 4 -2, 3, 4, 5, 6, 8, 11
RoHS Compliance	Yes
<b>OTHERS</b>	
MTBF	MIL HDBK 217F, 25 °C, 210,000Hrs
Pollution Standard	EN50178 Class 2
IP Code	IEC 60529 IP 20
Warranty	3 Years
Size (W×D×H)	22.8mm×102mm×90mm
Weight	130 g