

Features:

- Power on LED
- PFC models available above 60W
- 3 year warranty
- High Operating Temperatures
- Adjustable output range
- 100% full load burn-in test
- High efficiency & reliability
- Input voltage: 90-264 VAC
- Protections: OVP, OLP, OCP, SCP, and reverse output



GENERAL SPECIFICATIONS														
Model	FS-015	FS-025	FS-035	FS-040	FS-050	FS-060	FS-100	FS-150	FS-200	FS-260	FS-300	FS-320	FS-350	
INPUT SPECIFICATIONS														
AC Voltage Range: frequency 47-63 Hz	90-264 VAC						90-264 VAC (models with PFC), 115/230 switch select (non-PFC models)							
Max Inrush Current: cold start @ 230VAC	40A	60A	30-50A	30-60A		60A		40A-60A	60A					
Power Factor (PFC):	n/a						0.97@115VAC/60Hz, 0.90@230VAC/50Hz (models with PFC)							
Efficiency:	see below under model listing													
Isolation resistance:	I/P-O/P, I/P-FG, O/P-FG: 100M ohms/500VDC													
Inrush Current Protection: fuse rating @ 250V	2A						3.15A 4A (PFC)	4A	6.3A 4A (PFC)	4A		8A		
OUTPUT SPECIFICATIONS														
Connector: 9.5mm terminal block	5-pin						7-pin		9-pin					
Adjustable range:	+5%		+10%				-5 ~ +10%							
Over Voltage Protection:	115~135% of rated output								115~150% of rated output					
Over Load Protection: with auto-recovery	110~200%		105~150%				105~145%							
Short Circuit Protection:	Hiccup mode						Hiccup mode (non-PFC models), Latch mode (models with PFC)							
Ripple and Noise:	see below under model listing													
ENVIRONMENTAL SPECIFICATIONS														
Operating Temperature:	-10 to +70° C (derating below 0° C and above 40 or 50° C - see specific model datasheets for details)													
Storage Temperature:	-20 to +80° C													
Operating Humidity:	10 to 90% RH, non-condensation													
Storage Humidity:	5 to 95% RH, including condensation													
Vibration Operation:	10 to 300Hz, 2G p-p, 3 axes, 15 min sweep													
ELECTROMAGNETIC COMPATIBILITY														
EMC Standards:	FCC Class A, CISPR22 Class A, EN61000-4-2, -3 (not all modelst), -4, -5, -6 (not all models), EN61000-11 (not all models)													
Safety Standards:	UL/cUL, CE, TUV, CCC, CB, BSMI													
MECHANICAL SPECIFICATIONS														
Dimension (L*W*H) (mm)	99*97*35		129*95*38		160*95*38		179*99*45	199*110*50	215*115*50				228*127*63	
Weight (kgs):	0.30		0.33		0.45		0.60	0.73	1.10				2.00	

MODEL LISTING

15W - 1M15C series			
Model	Output	Ripple/Noise	Efficiency
FS-01505-1M	5V/3.0A	50mV	72%
FS-01512-1M	12V/1.25A	50mV	73%
FS-01524-1M	24V/0.7A	75mV	75%

25W - 1M25C series			
Model	Output	Ripple/Noise	Efficiency
FS-02505-1M	5V/5.0A	50mV	71%
FS-02512-1M	12V/2.1A	75mV	75%
FS-02524-1M	24V/1.1A	75mV	75%

35W - 1M35C series			
Model	Output	Ripple/Noise	Efficiency
FS-03505-1M	5V/7.0A	75mV	70%
FS-03512-1M	12V/3.0A	75mV	75%
FS-03524-1M	24V/1.5A	100mV	75%

40W - 1M40C series			
Model	Output	Ripple/Noise	Efficiency
FS-04005-1M	5V/8.0A	75mV	70%
FS-04012-1M	12V/3.5A	75mV	75%
FS-04024-1M	24V/1.8A	75mV	78%

50W - 1M50C series			
Model	Output	Ripple/Noise	Efficiency
FS-05005-1M	5V/10.0A	75mV	71%
FS-05012-1M	12V/4.2A	75mV	75%
FS-05024-1M	24V/2.1A	75mV	76%

60W - 1M60C series			
Model	Output	Ripple/Noise	Efficiency
FS-06005-1M	5V/12.0A	75mV	71%
FS-06012-1M	12V/5.0A	75mV	76%
FS-06024-1M	24V/2.5A	100mV	78%

100W - 1M100C/IP100C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-10012-1M	12V/8.33A	100mV	80%
FS-10024-1M	24V/4.2A	75mV	80%
FS-10048-1M	48V/2.2A	150mV	84%
FS-10005-IP	5V/20A	100mV	76%
FS-10008-IP	7.5V/13.3A	100mV	76%
FS-10012-IP	12V/8.5A	120mV	76%
FS-10024-IP	24V/4.2A	150mV	76%
FS-10048-IP	48V/2.1A	250mV	76%

150W - 1M150C/IP150C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-15012-1M	12V/12.5A	120mV	84%
FS-15024-1M	24V/6.5A	240mV	85%
FS-15005-IP	5V/30A	100mV	75%
FS-15008-IP	7.5V/20A	100mV	75%
FS-15012-IP	12V/12.5A	120mV	75%
FS-15024-IP	24V/6.3A	150mV	75%
FS-15048-IP	48V/3.1A	250mV	75%

200W - 1M200C/IP200C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-20012-1M	12V/16.6A	150mV	79%
FS-20024-1M	24V/8.3A	150mV	80%
FS-20005-IP	5V/40A	100mV	71%
FS-20008-IP	7.5V/26.7A	100mV	71%
FS-20012-IP	12V/16.7A	120mV	71%
FS-20024-IP	24V/8.3A	150mV	71%
FS-20048-IP	48V/4.2A	250mV	71%

260W - IP260C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-26005-IP	5V/52A	100mV	71%
FS-26008-IP	7.5V/34.7A	100mV	71%
FS-26012-IP	12V/21.67A	120mV	71%
FS-26024-IP	24V/10.83A	150mV	71%
FS-26048-IP	48V/5.42A	250mV	71%

300W - IP300C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-30005-IP	5V/60A	150mV	75%
FS-30008-IP	7.5V/40A	150mV	75%
FS-30012-IP	12V/35A	150mV	75%
FS-30024-IP	24V/12.5A	150mV	75%
FS-30048-IP	48V/6.25A	240mV	75%

320W - 1M320C and IP320C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-32024-1M	24V/12.5A	150mV	80%
FS-32048-1M	48V/6.5A	200mV	80%
FS-32005-IP	5V/64A	150mV	79%
FS-32008-IP	7.5V/42.7A	150mV	79%
FS-32012-IP	12V/26.67A	150mV	79%
FS-32024-IP	24V/13.33A	150mV	79%
FS-32048-IP	48V/6.67A	240mV	79%

350W - IP350C (PFC) series			
Model	Output	Ripple/Noise	Efficiency
FS-35005-IP	5V/70A	150mV	79%
FS-35008-IP	7.5V/46.7A	150mV	79%
FS-35012-IP	12V/29.16A	150mV	79%
FS-35024-IP	24V/14.58A	150mV	79%
FS-35048-IP	48V/7.29A	240mV	79%

*multiple output and customized units also available - please contact Potrans for your power needs