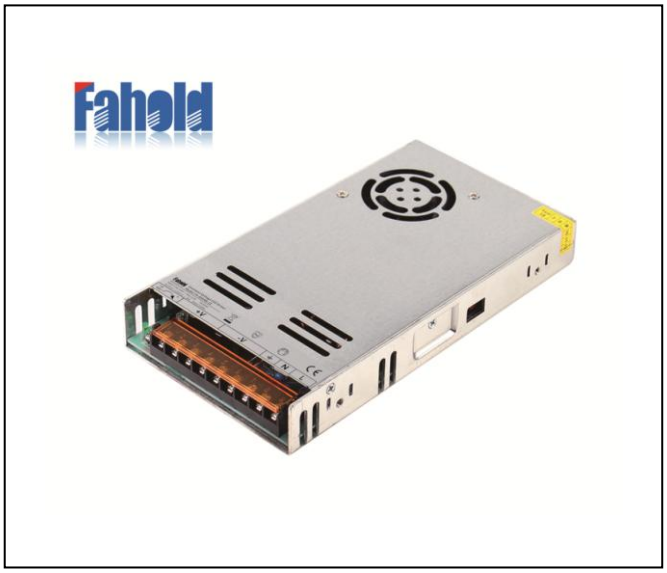
Specification For Approval

Model No：FV-350JRS-12/24

Input:90-132Vac/180~264VAC; Output: *Vdc；Power：350W



Features

- **Wide operating temperature range**
- **Low standby power consumption**
- **Output over-voltage protection**
- **Output over-current protection**
- **Output short circuit protection**
- **Over temperature protection**
- **Up to 90% efficiency**
- **3 years warranty**

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Change List

REV.	Description of Change		Issued Date	ECN NO.
	Before	After		
V1.0	Original Release		2018/12/25	

Introduction

- The power supply is applied to LED lighting, industrial equipment, electronic equipment, household appliances, etc.. small size, high efficiency, stability, and reliability. Power supply has output over current protection, output short circuit protection, over temperature protection. The power supply uses the optimal design scheme, so that the power supply efficiency is increased by up to 90%, which greatly saves energy.

Announcement

The specification describes in detail the performance of the power supply . Before performing various operations on the power supply, Please read this specification carefully and comply with the safety specifications of the relevant industry. The Company shall not be responsible for any damage caused to the products by improper operation or by use beyond the conditions specified in this specification.

Safety code

High voltage	Power input port with high voltage, can not be touched by hand.
Caution	Please earth reliably before turning it on.

Model code:

FV-350JRS-5

Output voltage

Output power

SPECIFICATION FOR APPROVAL

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1、Electrical specification

Model No.		FV-350JRS-5	FV-350JRS-12	FV-350JRS-24	FV-350JRS-36	FV-350JRS-48
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	60A	29A	14.6A	9.7A	7.3A
	Load current range	0~60A	0~29A	0~14.6A	0~9.7A	0~7.3A
	Rated power	300W	348W	350.4W	349.2W	350.4W
	Ripple&noise	120mV Vp-p	150mV Vp-p	150mV Vp-p	200mV Vp-p	200mV Vp-p
	Adjustable voltage	4.7~5.2V	11~13.8V	21.2~27.4V	32~41.7V	42.8~54V
	Regulation accuracy	±2%	±1%	±1%	±1%	±1%
	Load regulation accuracy	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Source regulation accuracy	±1%	±0.5%	±0.5%	±0.5%	±0.5%
	Start,rise time	1500ms,30ms@230VAC;2000ms,30ms@115VAC at full load				
	Hold up time	18ms@230VAC,15ms@115VAC at full load				
Input	AC input range	90~132VAC/180~264VAC(by switch choice)				
	Frequency range	47~63Hz				
	Efficiency	87%	85%	88%	89%	90%
	Input current	6.8A@115VAC,3.4A@230VAC				
	Inrush current	60A/230VAC cold start				
	Leakage current	<2mA/240VAC				
Protection	Over load	Rated load 110%~150%				
		Hiccup mode, Auto-recovery				
	Over output voltage	5.75~6.9V	13.8~16.2V	26.5~33.6V	41.4~48.6V	53.5~58.6V
		Shut off the output voltage, auto-recovery				
	Over temperature	Shut off the output voltage, auto-recovery				
Function	Fan on/off control	When TSW2≧50℃,Fan switch on;TSW2≦40℃,Fan switch off				
Ambient	Operation temperature	-30℃~+70℃ (Reference to derating curve)				
	Operation humidity	20%~90% RH No condensation				
	Storage temperature & humidity	-40℃~+85℃ 10~95% RH				

	Temperature coefficient	±0.03%/℃(0~50℃)
	Vibration resistance	10~500Hz,5G 10minutes/cycle,each X、Y、Z 60minutes
Safety STD	Safety STD	UL60950-1
	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC, O/P-FG:1KVAC
	Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100Mohms/500VDC/25℃/70% RH
	EMI	
Other	MTBF	≧350K hrs,MIL-HDBK-217F(25℃)
	Dimension	215*115*30mm
	Weight	0.51KG
Remark		

2、Derating Curve