



**Features:**

- Universal AC input (90~264Vac)
- Built-in active PFC, PF>0.95
- No load power consumption<5W
- Withstand 300Vac surge input
- High efficiency up to 90%
- Output protection: SCP/OLP/OPP/OVP/OTP
- Wide operating ambient temperature (-30~70°C)
- Operating altitude up to 5000m
- PCB soldering side with conformal coating
- All using 105 °C long life electrolytic capacitor
- 100% full load burn-in test
- Cooling by free air convection
- 3 years warranty

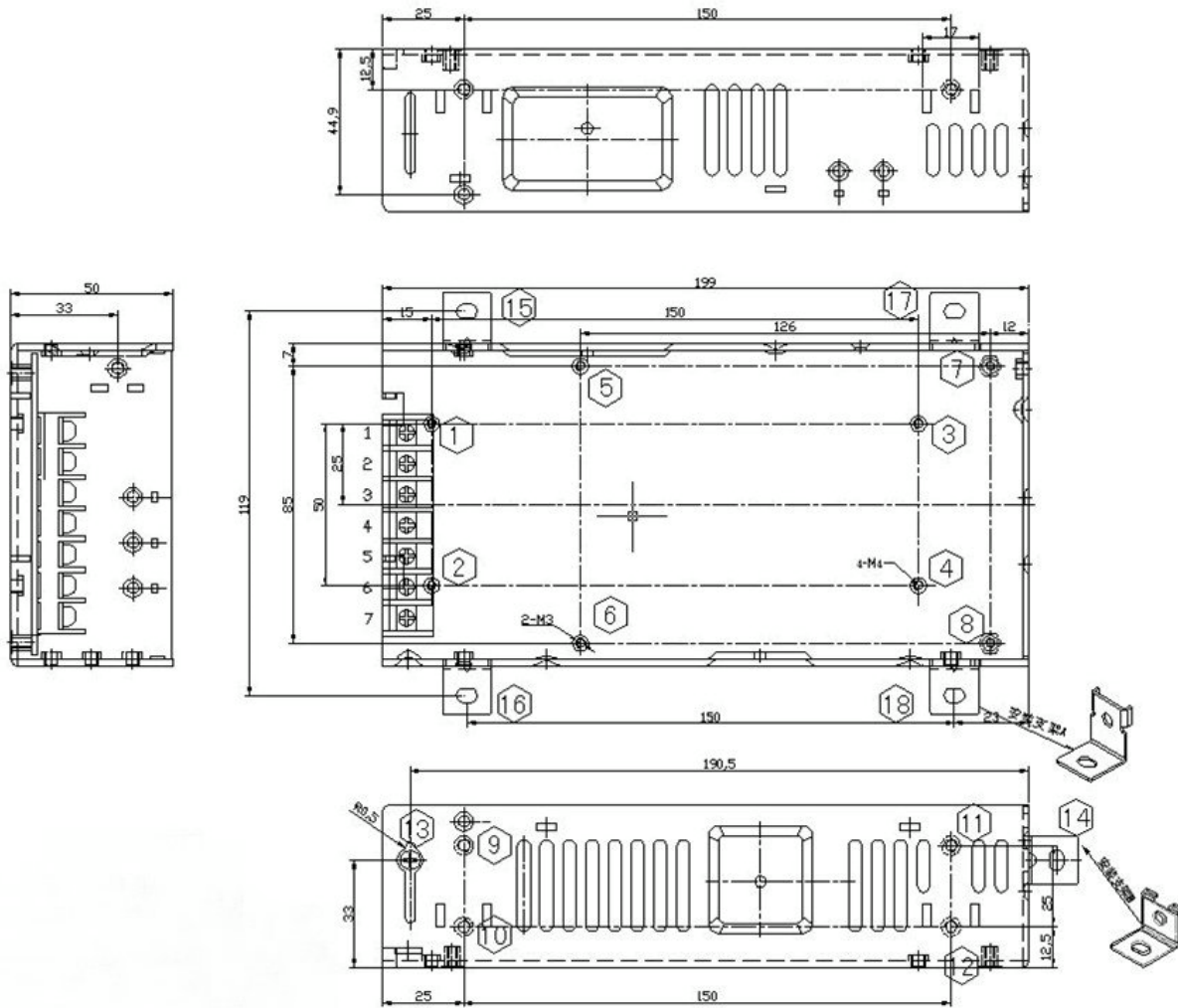
**SPECIFICATION**

MODEL		MFPDF-350-12	MFPDF-350-24	MFPDF-350-48	
OUTPUT	DC Output	12V	24V	48V	
	Rated Current	25A	14.6A	7.3A	
	Current Range Note 1	0~25A	0~14.6A	0~7.3A	
	Peak Load	30A (last 60S, 230Vac input)	18A (last 60S, 230Vac input)	9A (last 60S, 230Vac input)	
	Ripple and Noise Note 2	0~70°C	≤150mV	≤240mV	≤240mV
		-30°C	≤240mV	≤480mV	≤480mV
	Voltage ADJ. Range	11.6~13.2V	23.5~26.5V	47~52.8V	
	Voltage Accuracy	±3.0%			
	Line Regulation	±1.0%			
	Load Regulation	±2.0%			
	Set-up Time	≤3S (230Vac input, Full load)			
	Hold up Time	≥10mS (230Vac input, Full load)			
	Temperature Coefficient	±0.03%/°C			
	Overshoot and Undershoot	<5.0%			
INPUT	Voltage Range	90Vac~264Vac			
	Frequency Range	47Hz~63Hz			
	Power Factor(Typical)	PF > 0.98/115VAC PF > 0.95/230VAC			
	Efficiency ( Typical)	≥90% (230Vac input, full load)	≥90% (230Vac input, full load)	≥93% (230Vac input, full load)	
	AC Current (max.)	< 5.0A			
	Inrush Current (Typical)	<40A@230Vac <20A@115Vac Cold start			
	Stand by power consumption	<5W			
	Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA			
PROTECTION	Over Load	26.3~37.5A, constant current	15.33~21.9A, constant current	7.7~11A, constant current	
	Over Power	315~450W, constant current			
	Over Voltage	13.8~16.0V	26.5~36V	50~63V	
		Constant voltage, auto recovery			
	Over Temperature	95 °C (±5°C temperature controller) shut down o/p voltage, auto recovery after temperature goes down to 50C			
Short Circuit	Long-term mode, auto recovery				
ENVIRONMENT	Operating amb. Temp. & Hum.	-30°C~70°C; 20%~90% RH No condensing(refer to the derating curve)			
	Storage Temp. & Hum.	-40 °C~85°C 10%~95% RH No condensing			
SAFETY & EMC (Note 3)	Safety Standards	UL60950-1 ;EN60950-1:2006			
	Withstand Voltage	Primary-Secondary: 3.0KVac/10mA .Primary-PG:1.5KVac/10mA. Secondary-PG: 0.5KVDC/10mA.			
	Isolation Resistance	10M ohms			
	EMI Conduction & Radiation	Compliance to EN55022,FCC PART 15 Class B			
	Harmonic current	Compliance to EN61000-3-2, CLASS D			
EMs Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;				
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25 °C, Full load)			

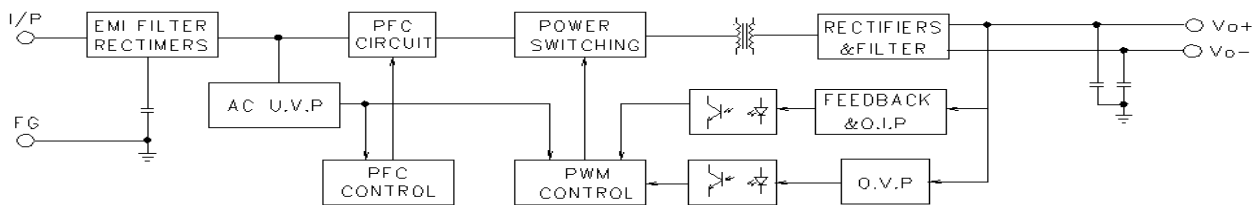
	Dimension (L*W*H)	199×99×50mm
	Packing	12PCS/CTN, 13.5KGS, 0.04CBM
	Cooling method	Free air convection
<b>NOTE</b>	<p>1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C at ambient tem</p> <p>2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 47uF parallel capacitor.</p> <p>3. The power supply is considered as a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>	

■ Mechanical Specification

unit:mm

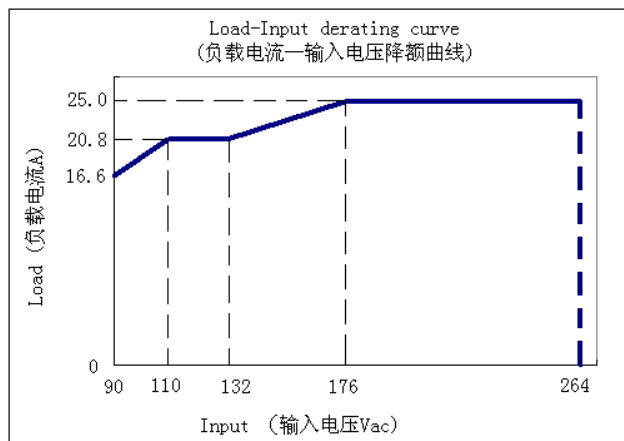


■ Block Diagram

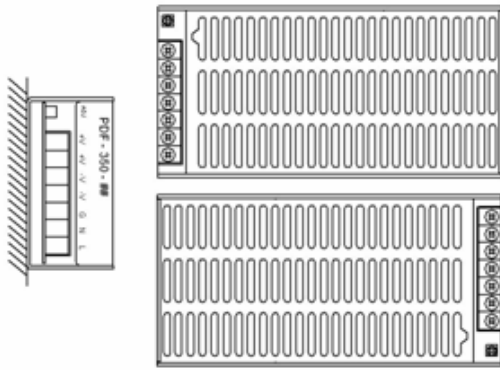


■ Derating Curve

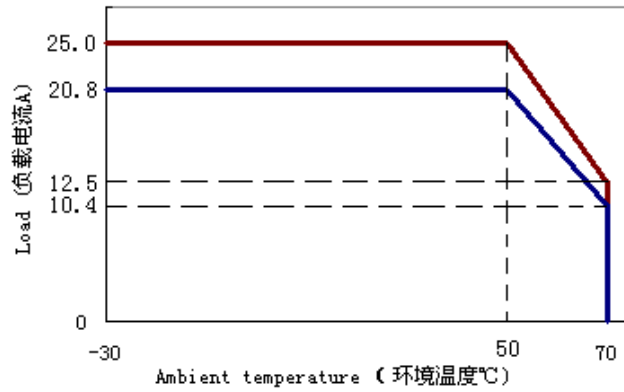
MFPDF-350-12



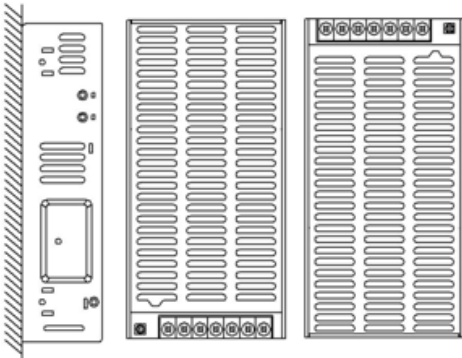
安装方式: A



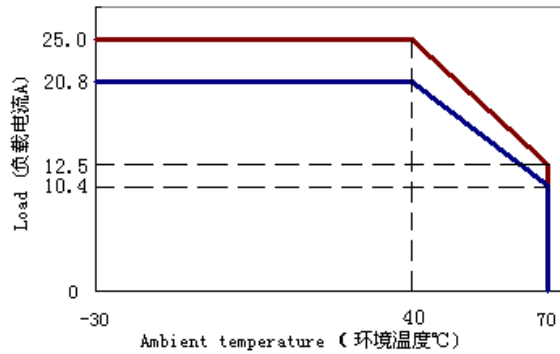
Load-Ambient derating curve  
(负载电流—环境温度降额曲线)



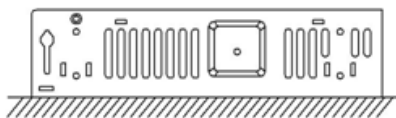
安装方式: B



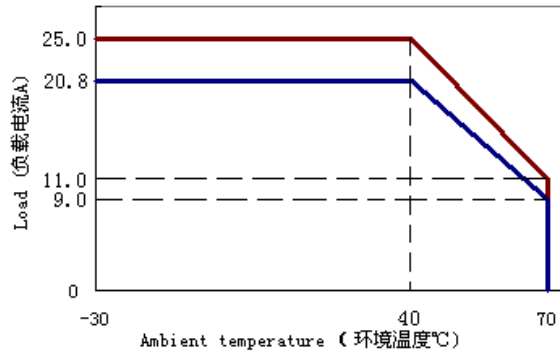
Load-Ambient derating curve  
(负载电流—环境温度降额曲线)



安装方式: C

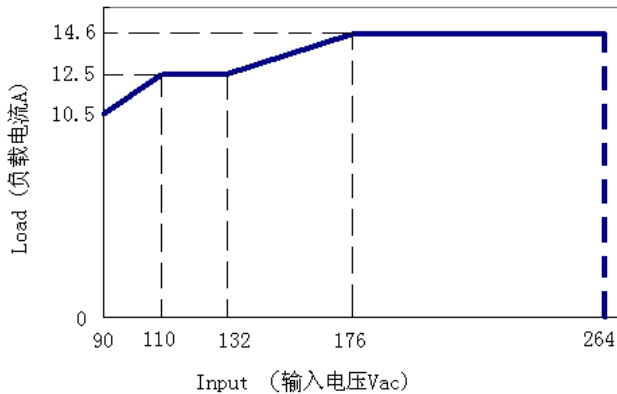


Load-Ambient derating curve  
(负载电流—环境温度降额曲线)

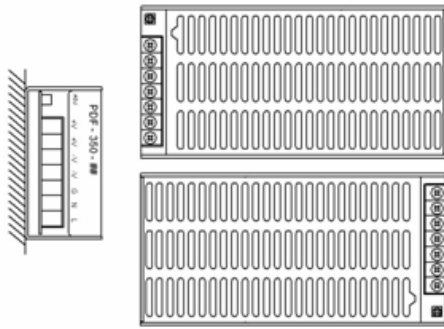


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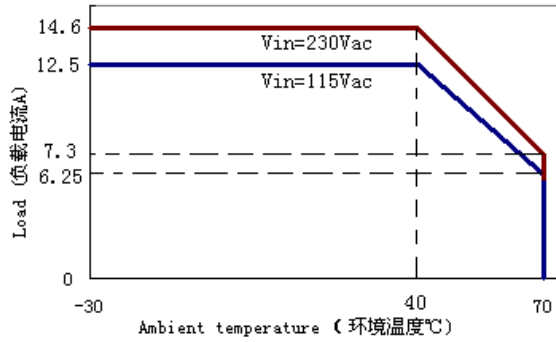
Load-Input derating curve  
(负载电流—输入电压降额曲线)



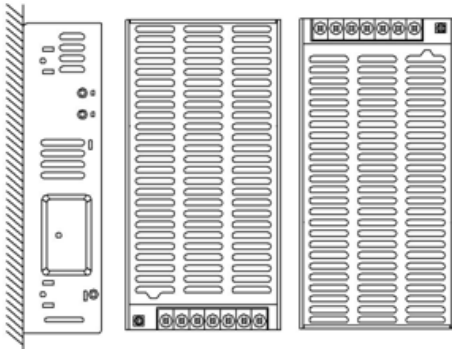
安装方式: A



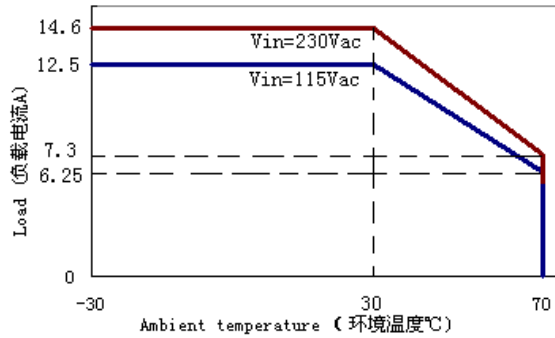
Load-Ambient derating curve  
(负载电流—环境温度降额曲线)



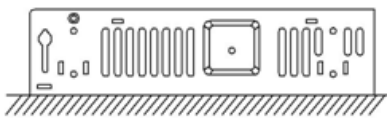
安装方式: B



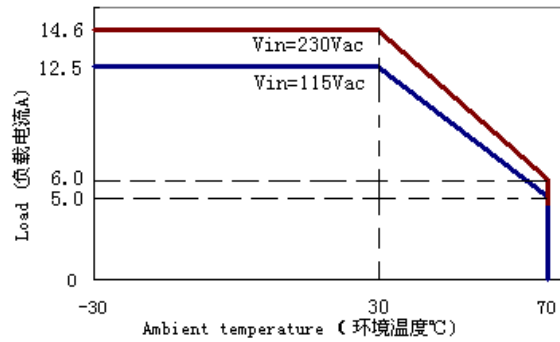
Load-Ambient derating curve  
(负载电流—环境温度降额曲线)



安装方式: C

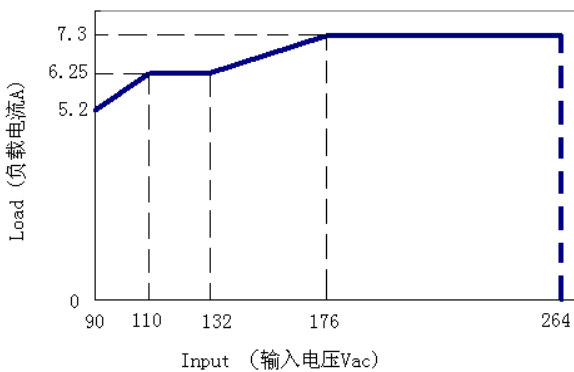


Load-Ambient derating curve  
(负载电流—环境温度降额曲线)

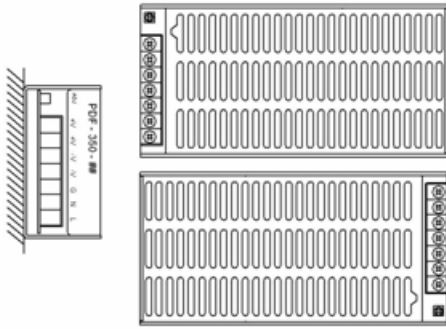


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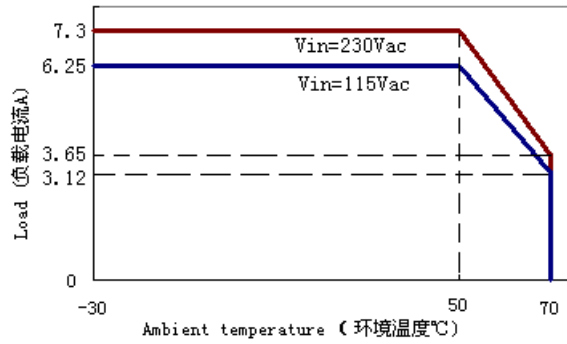
Load-Input derating curve  
(负载电流—输入电压降额曲线)



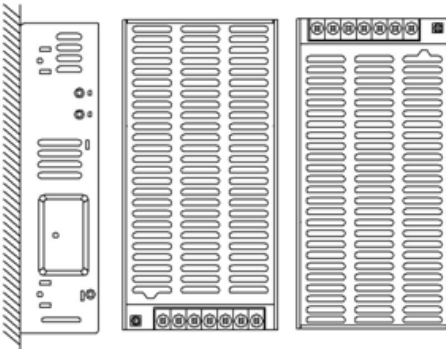
安装方式: A



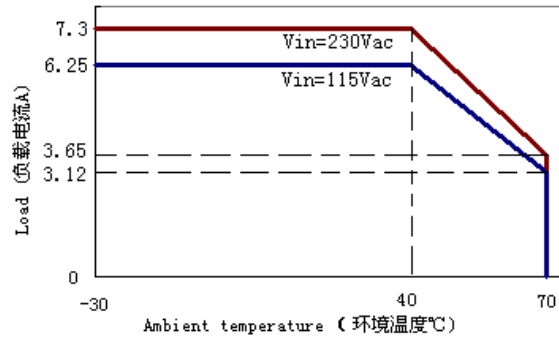
Load-Ambient derating curve  
(负载电流—环境温度降额曲线)



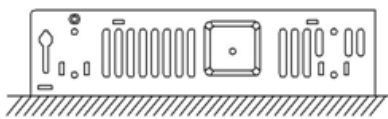
安装方式: B



Load-Ambient derating curve  
(负载电流—环境温度降额曲线)



安装方式: C



Load-Ambient derating curve  
(负载电流—环境温度降额曲线)

