

Product Characteristics

- Input voltage range: 180V-375V
- ◆ Output voltage range: 75% -110% Vout
- ◆ Efficiency ≥ 92%
- Over-voltage, over-current, short-circuit and over-temperature protection
- Interior patch design
- International standard pin mode
- Three years warranty period



Product Overview

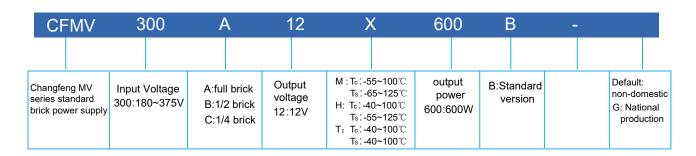
This power module model is full brick series isolation module with an input range of 180V-375V, a maximum power of 600W, and an efficiency of \geq 92%. It has input undervoltage and output overvoltageOutput overcurrent, output short circuit, and over temperature protection functions:

Application

The power supply uses an advanced control topology circuit, with advanced power Processing control and packaging technology, with high efficiency, high power density Degree, low noise and other advantages; with input overvoltage protect ion, output Overcurrent protection, over-tempera ture protection and other functions;

Absolute rating	Metric	Unit
Voltage between the + IN and the-IN	0.5~410	V
Voltage between the PC and the-IN	0.5~7.0	V
Voltage between PR and-IN	0.5~7.0	V
Voltage between SC and-OUT	0.5~1.5	V
The + OUT and the-OUT voltage	0.5~16.1	V

Product Naming





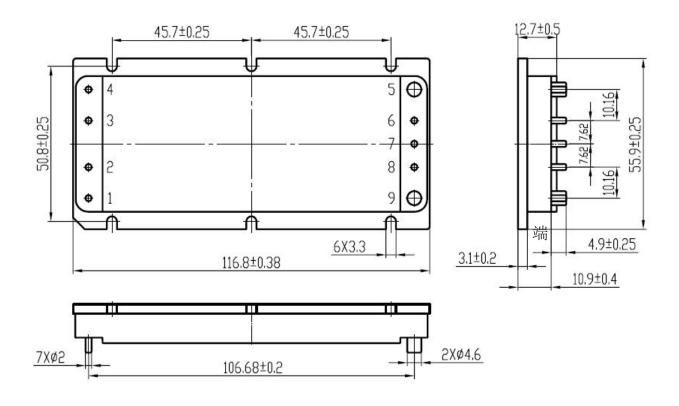
Input characteristic					
Parameter	Least value	Typical valu	e Crest value	Uuit	Working conditions
No-load state input power consumption		4	9	W	Tc=25℃
Disable the state input power consumption		2	4.5	W	Vpc≤2.3V
Input surge voltage			400	V	Tc=25 $^{\circ}\mathrm{C}$,100ms,the full load
Input underpressure	148	158	279	V	The full load
Input overpressure	378	400	420	V	Carrying idler

Parameter	Least value	Typical value	Crest value	Uuit	Working conditions
Output current			50	Α	
Output voltage	11.88	12.00	12.12	V	Tc=25℃, The full load
Winple and noise voltage		150	200	mV	Bandwidth Bw = 20 MHz,The full load
Voltage regulation		0.05	0.2	% V	/in:180V-300V, 300V-375V, The full load
Load Regulation		0.05	0.2	%	Carrying idler∼The full load
Temperature coefficient			0.02	%/°C	The full load
Output voltage regulation capability	75		110	%	The full load
Output voltage protection point	13.7		14.9	V	Tc=25℃,carrying idler
Output current limiting protection point	51		67.5	Α	
Short-circuit current	39		67.5	Α	Tc=25℃, Vo<250mV
Dynamics					
Peak deviation		2	5	%	50% -100% -50% load step Rate of change of the output
Recovery time		100	200	μs	current: 1A / µ S
Operating voltage of the PC end	5.50		6.00	V	Tc=25℃,lpc=1.0mA, The full load
The PC terminal working current	2.5		4.5	mA	Tc=25℃,Vpc=5.5V, The full load
The PC terminal has a prohibited voltage	2.3		2.9	V	The full load
The PC terminal alarm voltage	ge 0		0.5	V	Each protection function
PC terminal on output delay		5	7	ms	The full load
The PR output voltage ampli	tude 5.0		6.5	V	Tc=25℃, The full load
PR drive capability			6	Α	Tc=25℃,No buffer amplification circuit
SC reference voltage	1.21	1.23	1.25	V	
SC alarm voltage			0.5	V	Each protection function
Efficiency	92			%	Tc=25℃, The full load



Isolation Characteristics						
Parameter	Least value	Uuit	Working conditions			
Insulation and pressure resistance						
Enter to output	3000	Vac	60s,Tc=25℃,The leakage current is less than 3 mA			
Input into the shell	1500	Vac	60s, Tc=25℃,The leakage current is less than 1 mA			
Output to shell	500	Vac	60s, Tc=25°C,The leakage current is less than 1 mA			
Insulation resistance						
Enter to output	200	МΩ	Tc=25℃,500V _{DC} test			
Input into the shell	200	МΩ	Tc=25℃,500V _{DC} test			
Output to shell	200	МΩ	Tc=25℃,500V _{DC} test			

Structural Drawings



Pipe Foot Definition

Pin	Symbol	Function	Pin	Symbol	Function
1	IN+	Input positive end	5	OUT-	Output negative terminal
2	PC	Prohibit and alarm end	6	-S	Negative induction compensation terminal
3	PR	Parallel end	7	SC	Output voltage adjustment terminal
4	IN-	Input negative terminal	8	+S	Positive induction compensation end
			9	OUT+	Output positive end