

# Plasma MF Power Supply MFPS series

Creating Nano's MFPS series plasma power supply was specially designed to support the plasma system to maintain uniform operation by using a cutting-edge arc protection mechanism that will effectively withstand all kinds of overloads.

## Unique Functionalities

- ◆ Support three modes (Constant Power, Voltage and Current)
- ◆ Exclusive ARC protection
- ◆ Supports High voltage, High current, High temperature and over load protection
- ◆ Single or double fire wire output (no polarity)
- ◆ PLC Port interface compatible with AE-PEII series

## Product Features

- ◆ Digital signal controller
- ◆ Adjustable frequency
- ◆ Wide power range
- ◆ High plasma density
- ◆ Allows for customization



## Fields of Industrial Applications

- ◆ Desmear process in PCB manufacturing
- ◆ Surface Cleaning for LCD panel, glass, plastics manufacturing
- ◆ Metal coating in plasma enhanced chemical vapor deposition (PECVD) process



Specification	MFPS001	MFPSX	MFPSX2
<b>Input Parameter</b>			
Voltage	AC220V Single-phase	AC220V Three-phase	
Current	7A	40A	80A
Frequency	50~60Hz		
<b>Output Parameter</b>			
Power	1kW	10kW	20kW
Voltage	700V	890V	660V
Current	5A	24A	48A
Frequency	40kHz		
<b>Communication Interface</b>			
PLC Port	25Pin(Analog Control)		
<b>Dimension</b>			
(H)×(W)×(D) (mm)	(2U)133×483×630	(4U)175×500×737	(6U)220×496×901
<b>Cooling</b>			
Mode	Air	Air & Water	



# Standard type of Plasma power supply list

Power Type	Model	Power Rating (kW)	Input Voltage Rating(V)	Output Voltage max. (V)	Output Current max. (A)	Output Frequency max. (kHz)	Mechanical WxDxH(mm)	Cooling
MF	MFPS001	1	1 $\Phi$ 220V	1100AC	3	40kHz or 60kHz	484x626x133	Fan
	MFPS015	1.5	1 $\Phi$ 220V	700AC	5		484x626x133	Fan
	MFPS-X	10	3 $\Phi$ 220V	890AC	24		498x718x179	Water
			3 $\Phi$ 380V	890AC	24			
	MFPS-X-1100	10	3 $\Phi$ 220V	1100AC	24	498x718x179	Water	
			3 $\Phi$ 380V	1100AC	24	498x718x179	Water	
	MFPS-X2	20	3 $\Phi$ 220V	600AC	45	40kHz	496x894x224	Water
MFPS-X2-1100	20	3 $\Phi$ 220V	1100AC	45	40kHz	496x894x224	Water	
DC	DCPS001	1	1 $\Phi$ 220V	1200DC	2	No Frequency	484x626x133	Fan
	DCPS002	2	1 $\Phi$ 220V	1200DC	4			
	DCPS-X	10	3 $\Phi$ 220V	800DC	25	No Frequency	498x733x179	Water
	DCPS-X	10	3 $\Phi$ 220V	1000DC	20	No Frequency	498x733x179	Water
	DCPS-X-1500	10	3 $\Phi$ 220V	1500DC	13.3	No Frequency	498x733x179	Water
	DCPS-X2	20	3 $\Phi$ 380V	1000DC	40	No Frequency	496x907x224	Water
Pulse-DC	PDPS001	1	1 $\Phi$ 220V	600DC or pulse	5	50kHz	483x630x129	Fan
Pulse-DC	PDPS002	2	1 $\Phi$ 220V	600DC or pulse	8	50kHz	483x630x129	Fan



1kW/2kW



10kW



20kW

