

# Plasma Pulsed DC Power Supply PDPS series

## Unique Functionalities

Creating Nano's fully automatic PDPS Pulse DC plasma power series microprocessor controller was specially designed to support plasma equipment to maintain the uniform operation. The cutting edge arc protection mechanism will effectively withstand all kinds of overloads.

## Product Features

- ✦ Microprocessor control
- ✦ Support to non-symmetrical output voltage
- ✦ Supports three mode of switching selection (Constant voltage, Power, Constant Current)
- ✦ With High current, voltage and power protection
- ✦ With less arc & arc suppression
- ✦ Fully automatic
- ✦ Adjustable output frequency
- ✦ Stable and safe operation
- ✦ Easy to operate and maintain
- ✦ Supports different target coating material (nickel, aluminum, titanium and etc.)
- ✦ Customization based on demand



## Fields of Industrial Applications

- ✦ Coating industry
- ✦ Semiconductor industry
- ✦ Optoelectronics industry
- ✦ Solar Industry

Specification	PDPS001	PDPS002
<b>Power Supply - Input parameters</b>		
Voltage	AC220V Single-phase and Grounding line	
Current	10A	20A
Frequency	50~60Hz	
Overcurrent protection	Breaker	
<b>Power supply - Output Parameters</b>		
Rated Power	1KW	2KW
Maximum output voltage	600Vpeak	
Maximum output current	5A	8A
Frequency	20K~50KHz	
<b>Communication Interface</b>		
PLC (25PIN)	Analog control, monitoring	
<b>Appearance size</b>		
Size (W×D×H)	484×626×133(mm)	
Weight	20Kg	



# 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

