

Plasma DC Power Supply DCPS series

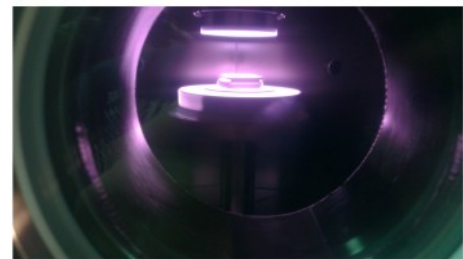
Creating Nano's DCP series plasma power supply was specially designed to support the plasma system to maintain uniform operation with cutting-edge technology in an arc protection mechanism; it can also withstand all kinds of overloads.

Unique Functionalities

Supports vacuum plasma process

Product Features

- ◆ Microprocessor control
- ◆ DC voltage output (up to 1200V)
- ◆ Constant voltage, constant power, constant current mode selection
- ◆ Arcing detection protection
- ◆ Over-current, over-voltage, high power protection, etc
- ◆ Stable equipment that is easy to maintain
- ◆ Customized according to customer needs



Fields of Industrial Applications

Vacuum plasma equipment treatment Semiconductors Industry Optoelectronics industry and Solar industry processes and etc.

Specification	DCPS001	DCPS002	DCPSX	DCPSX2
Input Parameter				
Voltage	Single-phase AC220V		Three-phase AC220V	Three-phase AC380V
Current	10A	15A	42A	45A
Frequency	50~60Hz			
Output Parameter				
Power	1kW	2kW	10kW	20kW
Voltage	1200V		800V	1000V
Current	2A	4A	25A	40A
Communication Interface				
PLC Port	25 Pin (Analog Control)			
Dimension				
(H)×(W)×(D)mm	(3U)133×483×630		(4U)179×500×737	
Cooling				
Mode	Air-cooled		Air-cooled & water-cooled	



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 Φ 220V	1100AC	3	40kHz or 60kHz	484x626x133	Fan
	MFPS015	1.5	1 Φ 220V	700AC	5		484x626x133	Fan
	MFPS-X	10	3 Φ 220V	890AC	24		498x718x179	Water
			3 Φ 380V	890AC	24			
	MFPS-X-1100	10	3 Φ 220V	1100AC	24	498x718x179	Water	
			3 Φ 380V	1100AC	24	498x718x179	Water	
	MFPS-X2	20	3 Φ 220V	600AC	45	40kHz	496x894x224	Water
MFPS-X2-1100	20	3 Φ 220V	1100AC	45	40kHz	496x894x224	Water	
DC	DCPS001	1	1 Φ 220V	1200DC	2	No Frequency	484x626x133	Fan
	DCPS002	2	1 Φ 220V	1200DC	4			
	DCPS-X	10	3 Φ 220V	800DC	25	No Frequency	498x733x179	Water
	DCPS-X	10	3 Φ 220V	1000DC	20	No Frequency	498x733x179	Water
	DCPS-X-1500	10	3 Φ 220V	1500DC	13.3	No Frequency	498x733x179	Water
	DCPS-X2	20	3 Φ 380V	1000DC	40	No Frequency	496x907x224	Water
Pulse-DC	PDPS001	1	1 Φ 220V	600DC or pulse	5	50kHz	483x630x129	Fan
Pulse-DC	PDPS002	2	1 Φ 220V	600DC or pulse	8	50kHz	483x630x129	Fan



1kW/2kW



10kW



20kW

