



## ULVAC - Large Capacity DC Power Supply



### DC-2-D / DC-4-D

ULVAC's new Digital DC Series sets a new benchmark in power supply technology for thin film deposition. Designed with unmatched stability, responsiveness, and control, these units deliver the highest levels of process reliability demanded in semiconductor, optical, and advanced coating industries.

#### Features

- Abundant high-performance option
- 1% rated precision — the highest standard in the industry, guaranteeing consistent, high-quality film deposition.
- Industry's first automatic recovery function after arc events, minimizing downtime and maximizing throughput.
- Featuring a truly unique ignition lamp system for smooth, reliable plasma startup every time.
- Output voltage range 800V
- Working temperature 5-40°C
- Compliant with RoHS, CE, SEMI-F47

#### Applications

- Sputtering equipment for FPD
- Semiconductor Sputtering equipment
- Sputtering equipment for electronic components
- Sputtering equipment for industrial coating

#### Why Choose ULVAC Digital DC Series?

With the combination of ultra-fast arc management, high-voltage capability, and precision power control, ULVAC's Digital DC Series is engineered to support the most demanding film deposition environments. From semiconductor fabrication to advanced optical coatings, you gain:

- Improved yield through stable, repeatable power delivery
- Reduced downtime with automated arc recovery
- Higher throughput from reliable ignition and smooth ramping
- Confidence in performance backed by ULVAC's industry leadership



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### Specifications

Model		DC-2	DC-4
Input specification	Rated input voltage	AC208V/220V	
	Input voltage fluctuation range	180 to 242VAC	
	Phase, frequency	Three phase, 50/60Hz	
	Input capacity	3.5kVA	6.2kVA
Output specification	Maximum rated power	2kW	4Kw
	Rated current	5A	10A
	Rated voltage	800V	
	Output polarity	Negative polarity	
	Abnormal discharge control	Shutoff by inverter stop or stop by resonance	
Control	Control method	Constant power control (P control) / Constant current control (I control) /Constant voltage control (V control)	
	Control precision	±1% of set point (In our prescriptive resistance value.)	
	Control compensation range	Constant power control, 1 to 100% of rated power value	
	Parallel operation	Nothing	
	Interface	Analog/Digital, RS-232C or RS-485	
Cooling method		Forced air-cooling	
Dimension (W×D×H)		241mm×610mm×133mm (excluding protrusions)	
Weight		15kg	
Applicable standard		CE/SEMI F47/RoHS	

Ambient operating temperature 5°C ~ 40°C (no condensation)

Operating environment: Avoid direct sunlight, heat, dust, vibration, and without corrosive gas.