

Power source for plating of small capacity DCAUTO HKD-G Series

Product Lineup	15VDC series	5A · 10A · 20A · 30A · 50A · 100A · 200A · 300A
	8VDC series	5A · 10A · 20A · 30A · 50A · 100A · 200A · 300A

Full model change of the well-reputed DCAUTO model with high reliability and stability



Max. 37%
down-sizing compared
to former models.



Stacking possible

Energy conservation

- (1) High efficiency: Realized further energy saving from the existing models by mounting our own high efficiency switching circuit.
- (2) High power-factor : Largely decreased input current from the existing models by power factor correction circuit (PFC)

Space saving

Max. 37% down-sizing compared to the existing models.

Improved reliability

The built-in fan auto-diagnostic function detects errors in advance to prevent unintended output stoppages.

Links with other devices and external data management

Enables to manage and data control of multiple rectifiers with external devices by adding optional external output terminal.

The various operating modes can handle myriad plating conditions

DC mode, "Single-phase full-wave mode", and "Chopper mode" are equipped as standard features. "GOLDWAVE mode" is also available as an option.

Improved environmental resistance and maintainability

Expanding range of fan models that contribute to improve environmental resistance and maintainability.

Operability

Following the operation method and operability of the existing models enable to facilitate replacement.

Enable to control "Plating solution" and "Plating thickness"

DC integrating Ah meter function is equipped as standard.

* For details, please inquire to our sales staff in charge.

DCAUTO HKD-G Series Power source for plating of small capacity

Common Specifications

Control method		PWM control switching method		
Input Specifications	Voltage	Single Phase	100/200V switching*1 100V~110V/200V~230V*2 Except, 15V/100A is exclusive use for single-phase 200V	
	Frequency	Three phase	200/400V switching*1 200V~220V/380V~440V	
	Voltage Tolerance		±10%	
Output Specifications	Control	Constant current or Constant voltage		
	Accuracy (Warranty) Range	10% to 100% of rated value (Current/Voltage)		
	Accuracy	Variance of Input Power	Rated value ±0.5% or below	
		Load Variance	Rated value ±0.5% or below	
	Ripple	RMS 1% or below (of rated value at rated input/output)		

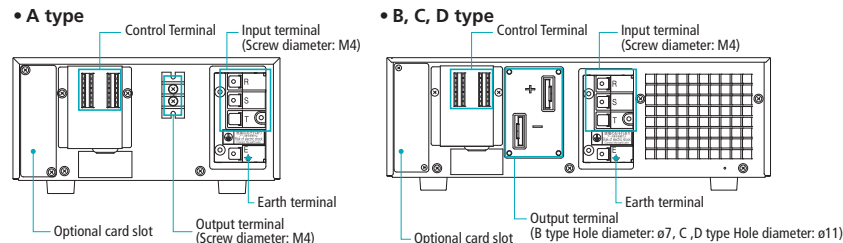
*1: Input voltage is automatically detected and can be selected with a single press of a button.
*2: 120V, 208V can also be manufactured. Please consult with us for details.

Product List

Output Current	Output Voltage	Standard Product	
		8V	15V
5A	Input	Single phase 100/200V	
	Input kVA	0.11	0.14
	External Dimension	A type	
	Cooling Method	Natural cooling	
10A	Input	Single phase 100/200V	
	Input kVA	0.15	0.22
	External Dimension	A type	
	Cooling Method	Natural cooling	
20A	Input	Single phase 100/200V	
	Input kVA	0.23	0.37
	External Dimension	A type	
	Cooling Method	Natural cooling	
30A	Input	Single phase 100/200V	
	Input kVA	0.32	0.54
	External Dimension	A type	
	Cooling Method	Natural cooling	
50A	Input	Single phase 100/200V	
	Input kVA	0.53	0.90
	External Dimension	B type	
	Cooling Method	Forced air cooling	
100A	Input	Single phase 100/200V	Single phase 200V*3
	Input kVA	1.01	1.76
	External Dimension	B type*3	
	Cooling Method	Forced air cooling	
200A	Input	Three phase 200/400V (Switching)	
	Input kVA	2.56	3.92
	External Dimension	C type	
	Cooling Method	Forced air cooling	
300A	Input	Three phase 200/400V (Switching)	
	Input kVA	4.00	6.38
	External Dimension	D type	
	Cooling Method	Forced air cooling	

In addition to the above rectifiers with different voltage/current can be manufactured. Please contact us for inquiries.
*3: 3-phase 200V/400V devices are also available. External dimension for 3-phase 200V/400V devices is C type. Ask for a consultation

Unit Back



As peripheral equipment for Metal Surface Treatment power supply, Ultrasonic Cleaning Systems (CleanRex) that requires for cleaning process of plating pre-treatment is separately available.

Caution

Read and understand the entire Operating Manual and your employer's safety practices before installing, or using the equipment. Do not install the equipment in an area where water, high humid, steam, dust or oil are located. It may cause damage to the equipment or result in a fire or electrical shock.

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- Please contact us if the equipment is used for any other applications not specified in this flyer. •Specifications are subject to change without any notice.

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