



DCEV High Power DC Power Supply



Features:

- DC output max voltage 16V~1000V, current 40A ~ 6000A, power 40kW ~ 600kW
- High power density
- Over-voltage, over-current, output shunt protection, power semiconductor overheat protection.
- Communication reaction fastest time of 100ms.
- RS-485 interfaces as standard.
- DC output ON / OFF switch.
- Emergency stop with lock switch as a standard feature.

Applications:

- aerospace test, water treatment
- Solar Array Simulation, Solar Array Simulator
- MOCVD power, MPP / MPPT analog,
- telecommunications and IT industry, Heat
- automated test systems (ATE), chemical treatment
- Factory Automation, wafer production
- Quality Inspection, battery testing, charging
- production line power, Precision plating, sputtering, surface treatment
- solar applications, research and development of new energy

Description:

The Advance Instrument Inc. Series DCEV is a new family of automatic crossover, high-performance power supplies. The DCEV Series offers stable dc power for 40kw to 600kw.

Programming of current and voltage and current limits may be achieved by analog means or by RS 485 digital control. GPIB or Ethernet interfaces are factory installed options.



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Specification:

- Setting control: Touch panel Setting.
- Display: System and output information via LCD Display
- Output maximum voltage: 105% of rated
- Output maximum current: 105% of rated
- Power efficiency greater than 80% @ rated voltage, current
- Cooling fan system
- Protection features, over voltage protection, shunt protection, over current protection, over temperature protection, current limit setting, supply voltage high / low protection (± 10%)
- Withstand voltage input output on chassis 2250VDC 1 minute, chassis 1500VDC 1 minute

Max Output		Model	Output Capacity (W)	Resolution		AC Input (3Ø 380V 4W 50/60Hz)
Voltage	Current			Voltage	Current	Power
V	A			F.S %	F.S %	VA
0.02~16	2500	DCEV-016-2500A	40K	0.1%	0.1%	50kVA
	3750	DCEV-016-3750A	60K	0.1%	0.1%	75kVA
	5000	DCEV-016-5000A	80K	0.1%	0.1%	100kVA
10~1000	40	DCEV-1000-040A	40K	0.1%	0.1%	50kVA
	60	DCEV-1000-060A	60K	0.1%	0.1%	75kVA
	80	DCEV-1000-080A	80K	0.1%	0.1%	100kVA
	120	DCEV-1000-120A	120K	0.1%	0.1%	150kVA
	160	DCEV-1000-160A	160K	0.1%	0.1%	190kVA
	200	DCEV-1000-200A	200K	0.1%	0.1%	240kVA
	250	DCEV-1000-250A	250K	0.1%	0.1%	290kVA
300	DCEV-1000-300A	300K	0.1%	0.1%	350kVA	

Customized special specifications						
Max Output		Model	Output Capacity (W)	Resolution		AC Input (3Ø 380V 4W 50/60Hz)
Voltage	Current			Voltage	Current	Power
V	A			F.S %	F.S %	VA
10~1000	450	DCEV-1000-450A250K	250K	0.1%	0.1%	300kVA

Dimension: W ≤ 2450mm, D ≤ 1200mm, H ≤ 2200mm
 Option:
 EMI test standard Class A and report for CNS 13438, CNS13803, EN55022,EN 55011,EN 61000-6-4
 EMS test standard and report for IEC 610006-2, EN 64000-6-2, IEC61326-1, EN61326-1
 IEC 60950-1 test

Note 1: The series operating maximum voltage 1000V.

Note 2: The Advance Instrument continues to pursue product improvement, therefore specifications are subject to change without notice.

Note 3: Accept customized special specifications.

Operating ambient temperature : 0 ~ 40 °C ; Humidity: 30% ~ 90% RH (non-condensing)

Storage ambient temperature : -20 ~ 70 °C ; Humidity: 10% ~ 90% RH (non-condensing)

The output end of the back-plane terminal or copper bus

Note: The above test environment to boot after 30 minutes, ambient temperature 23 ± 5 ° C, ambient humidity below 80% RH, AC power supply voltage of ± 5%, the frequencies ± 5%.