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ACPOWER
艾普斯电源



ADS Series

SCR Type DC Power Supply

28V / 50A~4500A

Professional Power Solution Provider



ADS -
ADS Series
DC Power Supply

28
Output Voltage
28 VDC

600
Output Current
600 A

S
Outlook
Stand Alone Unit

T
Input Voltage
220/380 VAC

[Please refer to Form 1 at Page 3]

ADS Series Case No. & Size - Portable Outdoor Unit, with 5" Casters (P)

[Unit of Measurement: inch/mm (Width×Depth×Height)]



ADS DC Power Supply Specification-1

Model	ADS-28-50		ADS-28-100		ADS-28-200		ADS-28-300		ADS-28-400		
Capacity	1.5kVA	4.5kVA	3kVA	9kVA	6kVA	18kVA	9kVA	27kVA	12kVA	36kVA	
Circuit Type	SCR										
Input	Phase	3 Phase 4W+G (Y)									
	Voltage	220V/380V ①									
	Voltage Range	±10%									
	Frequency	60Hz±3Hz or 50Hz±3Hz									
Output	Voltage	28VDC±10% Adjustable (25.2VDC ~ 30.8VDC)									
	Rate Current	0~50A		0~100A		0~200A		0~300A		0~400A	
	Overload Capacity	None	150A	None	300A	None	600A	None	900A	None	1200A
	Current-limiting adjustable	2~50A	7~150A	5~100A	15~300A	10~200A	30~600A	15~300A	45~900A	20~400A	60~1200A
	Line Regulation	≤0.5%									
	Load Regulation	≤0.5%									
Ripple(Vrms)	≤1%										
Indicator	Digital Voltmeter	28.0 V		28.0 V		28.0 V		28.0 V		28.0 V	
	Digital Ammeter	50.0 A	150.0 A	100.0 A	300.0 A	200.0 A	600.0 A	300.0 A	900.0 A	400.0 A	1200.0 A
Protection	Over-Voltage; Over-Current; Over-temperature; Short-circuit protection										
Cooling System	Air Forced Fan										
Environment	-20°C ~ +45°C/ 500meter(Altitude) / Prevent against dust and dust from carbon bush										
Humidity	0~90% (Non-condensing) Continuous working										
Resistance	≥10MΩ (500Vdc)										
Withstand voltage	1500Vac 10mA/1min No-flashover or punch-through										
Noise	< 65dB										
Remote Monitoring	Adjust output voltage range from 0~100% via 0~5Vdc external. (option)										
Case	Portable outdoor unit	①		①		①		①		①	
	Stand alone unit	③		③		③		③ ④		③ ④	
Weight (Lb/Kg)	Portable outdoor unit	507/230	660/300	570/260	728/330	660/300	815/370	728/330	882/400	794/360	948/430
	Stand alone unit	330/150	400/180	375/170	441/200	441/200	530/240	507/230	661/300	595/270	728/330

Remarks: ① Other required voltage, please kindly refer to Form 1 at Page 3;
 ② No compensating function;
 ③ Custom-made specifications are on request;
 ④ Outlook: S-Stand alone unit type, T-Trailer mounted unit type, B-Bridge mounted type, W-Wall mounted type, P-Portable outdoor unit type;

ADS Series Case No. & Size - Stand Alone Unit with 3" Casters (S)

[Unit of Measurement: inch/mm (Width×Depth×Height)]



ADS DC Power Supply Specification-1

Model	ADS-28-500		ADS-28-600		ADS-28-800		ADS-28-1000		ADS-28-1500			
Capacity	15kVA	45kVA	18kVA	54kVA	24kVA	72kVA	30kVA	90kVA	45kVA	135kVA		
Circuit Type	SCR											
Input	Phase											
	3 Phase 4W+G (Y)											
	Voltage											
	220V/380V ①											
Voltage Range												
±10%												
Frequency												
60Hz±3Hz or 50Hz±3Hz												
Output	Voltage											
	28VDC±10% Adjustable (25.2VDC ~ 30.8VDC)											
	Rate Current		0~500A		0~600A		0~800A		0~1000A		0~1500A	
	Overload Capacity		None	1500A	None	1800A	None	2400A	None	3000A	None	4500A
	Current-limiting adjustable		25~500A	75~1500A	30~600A	90~1800A	40~800A	120~2400A	50~1000A	150~3000A	75~1500A	225~4500A
	Line Regulation											
≤0.5%												
Load Regulation												
≤0.5%												
Ripple(Vrms)												
≤1%												
Indicator	Digital Voltmeter		28.0 V		28.0 V		28.0 V		28.0 V		28.0 V	
	Digital Ammeter		500.0 A	1500.0 A	600.0 A	1800.0 A	800.0 A	2400 A	1000.0 A	3000 A	1500.0 A	4500 A
Protection	Over-Voltage; Over-Current; Over-temperature; Short-circuit protection											
Cooling System	Air Forced Fan											
Environment	-20°C ~ +45°C/ 500meter(Altitude) / Prevent against dust and dust from carbon bush											
Humidity	0~90% (Non-condensing) Continuous working											
Resistance	≥10MΩ (500Vdc)											
Withstand voltage	1500Vac 10mA/1min No-flashover or punch-through											
Noise	< 65dB											
Remote Monitoring	Adjust output voltage range from 0~100% via 0~5Vdc external. (option)											
Case	Portable outdoor unit		②		②		②		②		—	
	Stand alone unit		④		④		④		⑤		⑤	
Weight (Lb/Kg)	Portable outdoor unit		882/400	1036/470	926/420	1080/490	992/450	1168/530	1080/490	1280/580	1213/550	1433/650
	Stand alone unit		640/290	772/350	728/330	838/380	816/370	1058/480	992/450	1102/500	1124/510	1390/630

Remarks: ① Other required voltage, please kindly refer to Form 1 at Page 3;
 ② No compensating function;
 ③ Custom-made specifications are on request;
 ④ Outlook: S-Stand alone unit type, T-Trailer mounted unit type, B-Bridge mounted type, W-Wall mounted type, P-Portable outdoor unit type;

ADS Series DC Power Supply Characteristics

- ▲ Used as a DC power supply unit or voltage simulating test for GPU / Military Unit.
- ▲ 28Vdc \pm 0% Standard Output Voltage; 50Amp to 4,500Amp Output Current.
- ▲ Automatic Input Line Monitoring.
- ▲ Output Voltage and Output Current Monitoring.
- ▲ Current Limit Adjustable.
- ▲ Auto Feedback Control Circuits. Capable to adjust input and output automatically for constant voltage constant current.
- ▲ Fixed voltage Fixed current. Interchangeable to have control and protection features.
- ▲ Protection:
 - Input Line Loop: Auto detection and trip for Over Current, Over Voltage, Loss Phase, Phase Reversed
 - Output Circuit: Electronic-controlled Short Circuit protection.

Form1: ADS Series Input Voltage Range

A	100 V	1 \emptyset 2W+G	O	110/190 V	3 \emptyset 4W+G or 3 \emptyset 3W+N+G (Y-Connection)
B	110 V		P	115/200 V	
C	115 V		Q	120/208 V	
D	120 V		R	127/220 V	
E	200 V	1 \emptyset 2W+G or 3 \emptyset 3W+G (Δ -Connection)	T	220/380 V	
F	208 V		U	230/400 V	
G	220 V		V	240/415 V	
H	230 V		W	254/440 V	
I	240 V		X	100/200 V	
J	380 V		Y	110/220 V	
K	400 V	3 \emptyset 3W+G (Δ -Connection)	Z	115/230 V	1 \emptyset 3W+G
L	415 V				
M	440 V				
N	480 V				

* Other Input Voltages not listed in this form are all **S** (Special Specification) type.

APPLICATION & SERVICE

AC Power Corp. offers products widely applied in multi-professional fields and provides the best power solutions to customers. Our mission is to satisfy customers' demand by considering the whole conditions including power environment, loading allocation, module solution alternative, thoughtful design, efficient manufacturing, and complete maintenance.

Application



Aircraft manufacturing



Aircraft Maintenance Plant



Rotary Engine Manufacturing



Engine maintenance



Hangar



Airport apron



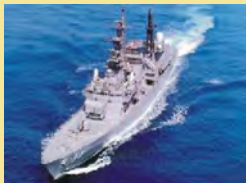
Air Bridge



Control Center



Military aircraft / helicopter



Navy System Diagnostics



Military System Diagnostics



Radar / Military Equipment

Aircrafts

- **Aerospatiale**
ATR-42, ATR-72
- **Airbus**
A300, A310, A320, A340
- **Boeing**
727, 737, 747, 757, 767, 777
- **British Aerospace**
BAC 1-11, Bae146
- **Canadair**
- **Challenger**
- **De Havilland**
- **Dash 8**
- **Fokker**
70, 100
- **Gulfstream**
G III, G IV
- **Lockhead**
L-1011, C-5, C-130, C-141, P-3
- **McDonnell Douglas**
DC-10, MD-11, MD-80, C-17
- **RJ**
- **Saab**
SF-340

Helicopters

- **Aerospatiale**
- **Super Puma**
AS-332
- **Boeing / Bell Osprey**
V-22
- **Boeing Helicopter Chinook**
CH-47
- **McDonnell Douglas**
Helicopter Apache AH-64
- **Sikorsky**
Black Hawk UH-60, Series H-53

- Aircraft Manufacturers
- Aerospace Equipment Manufacturers
- Hangar
- Air Force Base
- Passenger Boarding Bridge (PBB)
- Aprons
- Control Tower
- Meter Control Center
- Air Force System Diagnostics
- Military System Diagnostics
- Navy System Diagnostics
- R&D Dept. of Military, Defense
- Military Equipment
- Power Supply for Warship
- Power Supply for Radar
- Rotary Engineer Manufacturers

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