

Preen®

APC  
AC POWER  
艾普斯电源



## ADS Series

**SCR Type DC Power Supply**

**28V / 50A~4500A**

Professional Power Solution Provider



ISO 9001 FM77639

**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) ]



47×30×35 (inch)  
1198×760×880 (mm)



53×37×38 (inch)  
1355×930×970 (mm)

## 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℃ ~ +45℃/ 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;

⑤ One year warranty;

⑥ All specifications are subject to change without prior notice.

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

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

3



17×30×45 (inch)  
430×750×1145 (mm)

4



24×39×54 (inch)  
600×980×1355 (mm)

5



32×40×69 (inch)  
800×1000×1750 (mm)

## 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℃ ~ +45℃/ 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		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;

⑤ One year warranty;

⑥ All specifications are subject to change without prior notice.

### 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	1Ø2W+G	O	110/190 V	3Ø4W+G or 3Ø3W+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	1Ø2W+G or 3Ø3W+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	1Ø3W+G
J	380 V	3Ø3W+G (Δ-Connection)	Y	110/220 V	
K	400 V		Z	115/230 V	
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



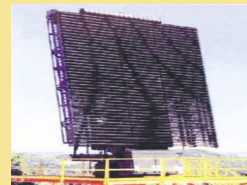
Military aircraft / helicopter



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

No.: ADS-131113EN