# **ACSOON**<sup>®</sup> Xi'an Jerrystar Instrument Co.,Ltd

## **ADCW Series DC Ground Power Unit**

Acsoon<sup>®</sup> ADCW series is designed to give continuous high quality DC power.

This continuous high power model is ideal for crew training, aircraft servicing in workshops,on the ramp or in the field,diagnostic work, pre flight checks, charging the on board battery or for continuous powering of equipment during operations, without draining the onboard aircraft batteries.

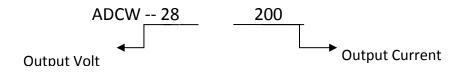
The safety features include over voltage, overload and Internal Thermal , short circuit protection. The power modules conform to EMC standards for noise emissions and immunity.





### **Models Selection**

The Acsoon<sup>®</sup> ADCW series power supply model designation is shown below:



Output Rated Voltage: DC20V - 270V DC, or as customized

Output Rated Current For DC 28.5V type:

100A,200A,300A,400A,500A,600A,800A,1000A,2000A

Output Rated Current For DC270V type: 50A,100A,200A,300A,400A,500A

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## **Specification**

#### • Capacity

- ♦ 50A To 2000A
- Input
- ♦ Voltage:
  - 3 x127V/220V ± 15%,
  - 3 x220V/380V  $\pm$  15% Or as per your
  - specific requirement
- ♦ Frequency:50Hz/60Hz $\pm$ 5Hz
- ♦ Power Factor:≥0.8 (Standard Type)
- ♦ Rectification: 6 pulse
- Output
- ♦ Voltage:DC28.5V(10-35V adjust)

#### or as customized

- Current:50A-2000A(select one individual current)
- ♦ Voltage Regulation:  $\pm$  1%
- ♦ Voltage Ripple:100mV 250mV (RMS)
- ♦ RS232/485 com port
- Available options
- ♦ Cables upon request

#### • Overload

♦ 125% 600 sec,150% 60S,200% 10S

#### Protection

- ♦ Input Over/under voltage
- ♦ Output over voltage, current limit
- ♦ Inner overheating, inverting over current
- ♦ Self diagnose and alarm
- Display
- ♦ Voltage,Current,setting current limit

#### Working condition

- ♦ Temperature:-10 to 50°C
- ♦ Humidity:10-95%
- ♦ Noise:< 65dB within 1 meter</p>
- ♦ IP20/IP54

#### • Reliability&Efficiency

- ♦ Mean Time Between Failure(MTBF) 50,000H
- ♦ Mean time to restoration(MTTR)< 30 min</p>
- ♦ Overall efficiency:>85%

#### • Standards

- ♦ ISO 6858
- ♦ MIL-STD-704F