

STATIC SOLID STATE 28V DC RECTIFIER

28V DC POWER SUPPLY

ACSOON POWER SOLUTIONS' PROVIDER



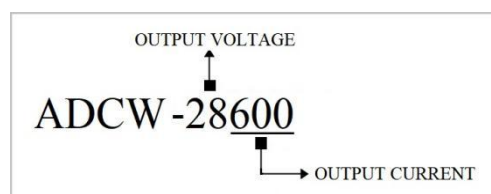
■ **ACSOON ADCW** series 28V DC Power Supply is one of the most popular static solid state DC Rectifier, which is designed to change Mains electricity 50hz/60hz power to 28.5V aircraft DC power. It is one of ideal external power supply for aircraft engine start and aerospace equipment ,with compact size and higher reliability. ACSOON ADCW series 28V DC Rectifier widely used for aircraft daily test and maintenance, it plays one important role at Hangar and Apron with Pit system as one quality 28VDC power source.

■ **ACSOON ADCW** 28V DC Rectifier delivers 28.5V DC aircraft power with much lower Ripple, and excellent voltage stability in line and load regulation, robust, and higher efficiency.

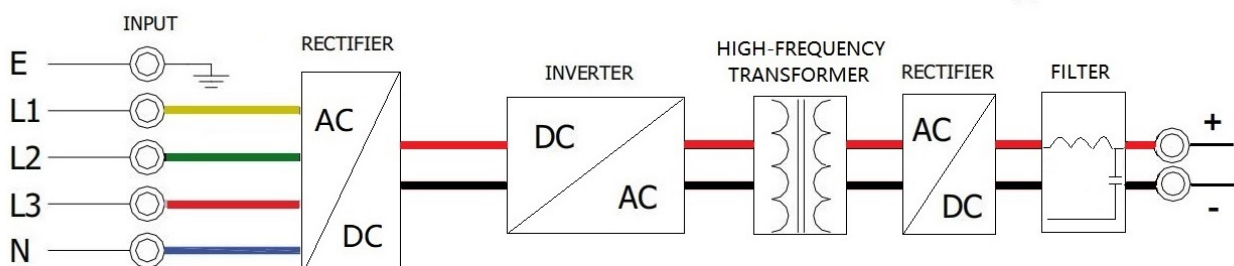
■ **ACSOON** 28V DC Rectifier has two types of design, one for free standing or ground mounted, and another for Trailer type.

Models Selection Designate

The ACSOON® ADCW series 28V DC Rectifier designation is shown below



Circuit Block Diagram



THREE PHASE INPUT - 28VDC OUTPUT

ACSOON ADCW Series 28V DC Rectifier Technical Specification

INPUT	
Number of Phases	Three Phase
Nominal Input Voltage	208, 380V, 400V, 415V, 440V, 480V / Three Phase
Voltage Tolerance	± 15%
Nominal Frequency	50Hz / 60Hz
Frequency Tolerance	40Hz - 70Hz
Input Power Factor	≥0.9
OUTPUT	
Nominal Voltage	28.5VDC
Voltage Adjustable	20-32VDC
Current: 300A, 400A, 500A, 600A, 800A, 1000A & 2000A	
Voltage Stability in Line Regulation +/-0.5% FS. Voltage Stability in Load Regulation +/-0.5% FS	
Ripple	≤ 0.15V
Digital Display	VFD digital display: Voltage, Current, Power Factor / Power (watt), Time Setting
Voltage Resolution 0.1V; Current Resolution 0.1A	
Volt. Display Accuracy	≤ +/-1%
Overall Efficiency	≥ 93%
Comm. Port	RS232/RS485 Modbus Protocol
Protection	Complete over current, over load, over heat, short circuit protections and alarm
Overload Capacity	125% for 10 min, 150% for 60s, 200% for 30s and 400% 1s
IP Class	IP20/IP21/54
MTBF	50,000 Hrs
MTTR	< 30Min
Humidity	10-95%
Noise	Less than 65dB within 1 meter
Operating Temperature	-20 to 50°C
Standards	GJB572A-2006, GJB181A-2003, ISO6858, MIL-STD-704F, EN61000