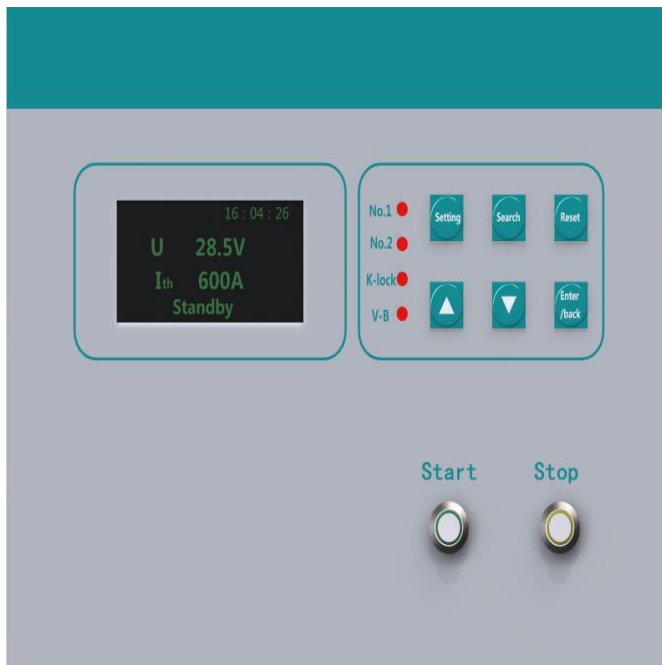


## ER-CW Series DC Ground Power Unit



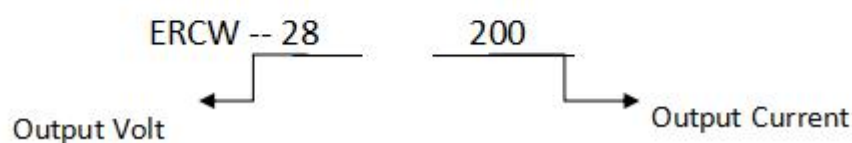
ERCW series is designed to give continuous high quality DC power. This continuous high power model is ideal for crew training, aircraft servicing in workshops, on the ramp or in the field, diagnostic work, pre flight checks, charging the on board battery or for

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

ERCW series power supply model designation is shown below:



Output Rated Voltage: DC28.5V Or 270V DC

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

## Specification

**Capacity:** 50A To 2000A

**Input Voltage:**

3 x127V/220V $\pm$ 15%,

3 x220V/380V $\pm$ 15% Or as per your specific requirement

**Frequency:** 50Hz/60Hz $\pm$ 5Hz

**Power Factor:**  $\geq$ 0.85 (Standard Type)

**Rectification:** 6 pulse

**Output Voltage:** DC28.5V(10-35V adjust)

or DC 270V(240-300V adjust)

**Current:** 50A-2000A(select one individual current)

**Voltage Regulation:**  $\pm$ 1%

**Voltage Ripple:** 500mV or less than 1V

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:** -20 to 50℃

**Humidity:** 10-95%

**Noise:** < 65dB within 1 meter

IP22/IP55

## **Reliability&Efficiency**

Mean Time Between Failure(MTBF) 50,000H

Mean time to restoration(MTTR)< 30 min

**Overall efficiency:** >85%

## **Standards:**

ISO 6858

MIL-STD-704F