AC2000 SERIES
1200kW DC POWER SUPPLY

ANDERSON ELECTRIC CONTROLS, INC.

(AC21200PD) 1200kW DC POWER SUPPLY

Like all AC2000 DC power supplies from Anderson, AC21200PD delivers performance for the applications that need it most. Battery Emulation and Battery Cycling are supported out-of-the-box. AC2000 provides an efficient, space-saving solution with intuitive graphical touchscreen that allows you to start running immediately. Other features include:

- 1200, 1500, or 2000 Volts DC and ±1125 Amps DC
- 1 or 2 fully independent DC channels in one unit
- Slew rates ≤ 1ms
- World-class accuracy with traceable calibration
- Efficient design returns energy to AC grid (bi-directional)
- Combine units in parallel to reach up to 4.8 MW
- Unified software interface across AC2000 product line

TECH SPECS

DC Ratings
- ±1200 kW (±1320 kW for 30 s)
- ±1125 amps (±1250 amps for 10 s)
- 0-1200 volts, 0-1500 volts, or 0-2000 volts

AC Power
- 3-ph 380V, 480V or 600V
- 50 or 60 Hz

Safety
- UL-rated insulation monitor
- E-STOP w/ safety-rated contacts
- DC interlock per channel
- Facility interlock
- Reverse voltage detection

Features
- Voltage / Current / Power control
- Touchscreen control & monitoring
- Two DC Channels (optional)
  - 0-100% voltage each channel
  - ±100% power each channel
  - ½ current per channel
- DC isolation contactors
- Remote volt. measurement
- Combine up to 4 units in parallel
- On-board data recorder

Accuracy
- 24-bit resolution
- 0.015% or 150ppm base accuracy
- 192 MSPS effective sample rate
- **Traceable** calibration
- Automated calibration using auto-cal kit (purchased separately)

Remote Control Drivers
- C# DotNET 5.0, 6.0, 7.0
- NI LabVIEW 2019 or above

Communication Protocols
- EtherCAT, CAN 2.0B, CAN-FD, TCP/IP, Fiber-optic

Sample Rates
- ≤ 1 to 16 kHz (protocol dependent)

Efficiency
- ≥ 90% typical

Environment
- 5-35 deg. C ambient
- 10-90% humidity (non-condensing)
- Liquid-cooled (external chiller or heat exchg. required)

See AC2000 tech. specs manual for more info