

Programmable DC Power Supply, 150kW, 1500V, 1500A

This DC power supply provides output power up to 150kW per unit, with voltage up to 1500V and current up to 1500A. It utilizes FPGA technology and offers CV/CC/CP models to meet various application needs.



Product Overview

High-Performance Programmable DC Power Supply

The DSP Series High Power DC Power Supply leverages advanced PWM and FPGA technology to deliver reliable, stable, and high-precision power output. Designed for demanding applications such as EV motor testing, PV inverter development, and renewable energy research, this unit offers exceptional transient response and low ripple noise. With versatile operating modes and advanced memory functions, it provides a robust solution for complex testing environments.

Performance Metrics

Rated Power

150 kW

Max Power

1500 V

Max Voltage

1500 A

Max Current

Technical Specifications

Communication Interfaces

- Standard RS232
- Optional RS485
- Optional GPIB

Control Precision

16-bit high precision A/D converter

Operating Modes

CV (Constant Voltage), CC (Constant Current), CP (Constant Power)

Features

Key Functionalities

FPGA Technology • Remote Sense • Power-off Memory • Fast Transient Response • Low Ripple Noise

Quick Memory Settings

3 groups

Applications

Ideal Use Cases

- EV motor and compressor testing
- PV inverter development
- Renewable energy research
- Quality burning tests
- Facility power supply