



FA-610

200 W PROGRAMMABLE DC POWER SUPPLY 60 V / 10 A

SUPPORTS SCPI PROTOCOL

ON-SCREEN GRAPHICAL READINGS
DIGITAL CURRENT AND VOLTAGE METERS

WAVEFORMS DISPLAY

MANUAL OR AUTOMATIC PROTECTION
OVERVOLTAGE AND OVERCURRENT PROTECTION

SHORT CIRCUIT PROTECTION

AUTOMATIC POWER MANAGEMENT

AUTOMATIC VOLTAGE AND CURRENT MONITORING.
ENSURES SAFE OPERATION WITH A MAX OUTPUT OF 200 W

With its superior technical specifications, the **FA-610** programmable DC power supply is perfectly suited for a variety of professional and educational applications.

Designed with safety in mind, it is especially suitable for **educational environments** thanks to its configurable overcurrent and overvoltage **protections** to prevent equipment damage from operational mistakes.

The power supply comes with a USB port optimized for evaluating the performance of battery charging circuits for electronic devices.

The 2.8" backlit TFT screen provides a graphical user interface with large digital displays for voltage and current, and offers **on-screen waveform visualization**.

Flexible and efficient, the **FA-610** power supply seamlessly integrates into your workflow with complete SCPI support and PC remote control.



60V 10A



**USB CHARGE
PORT**



**SMART
COOLING**

AUTOMATIC OUTPUT POWER MANAGEMENT

Max voltage adjustment

60 V	200 W
50 V	200 W
30 V	200 W
20 V	200 W

Max current adjustment

3.3 A
4 A
6.6 A
10 A

GENERAL FEATURES

- Max output values: 60V, 10 A (adjustable output within a max power range of 200 W)
- Overvoltage and overcurrent protection
- On-screen digital ammeter and voltmeter
- Temperature-controlled smart fan cooling system
- High resolution (10 mV, 1 mA)
- Low noise and ripple levels
- USB PC Connection (Remote Control & SCPI Protocol)
- Current and Voltage curves monitoring function
- Constant Voltage and Constant Current output modes
- Front USB port with 5V/1A output

SPECIFICATIONS	FA-610 200 W PROGRAMMABLE DC POWER SUPPLY
MAIN ADJUSTABLE OUTPUT (from 0 to 40 °C) Voltage margin Current margin Max output power Output power monitoring	From 0 to 60 V From 0 to 10 A 200 W Voltage and current values are automatically monitored to maintain output power within safety margins.
USB OUTPUT	5V / 1A
OPERATING MODES	Constant voltage output or Constant current output
OVERLOAD PROTECTION	Short-circuit protection. Overcurrent or overvoltage manual or automatic protection
REGULATION Charge Power	≤30 mV, ≤20 mA ≤30 mV, ≤20 mA
RESOLUTION Adjustment Measurement	10 mV, 1 mA 10 mV, 1 mA
ACCURACY Setting (25 ±5 °C, 12 months) Measurement (25 ±5 °C)	≤0.1% ±30 mV / ≤0.05% ±10 mA ≤0.1% ±30 mV / ≤0.1% ±10 mA
RIPPLE / NOISE Voltage (VP-P) Voltage (RMS) Current (RMS)	≤50 mVP-P ≤5 mVRMS ≤30 mAP-P
TEMPERATURE COEFFICIENT Output Measurement	100 ppm/°C / 200 ppm/°C (0 to 40 °C) 100 ppm/°C / 200 ppm/°C
RESPONSE TIME	≤1 ms (nominal charge 50%-100%)
BUILT-IN MEMORY	10 programmable timed output sequences and 4 data sets
OPERATING TEMPERATURE	0 to 40 °C. Intelligent temperature-controlled power fan to minimize noise interference.
SCREEN On-screen readings	2.8 " negative backlight TFT display Digital current and voltage meters. On-screen waveform visualization.
USB INTERFACE	Remote control software. SCPI-compliant remote control.
INPUT VOLTAGE	230 V, 50/60 Hz
MECHANICAL FEATURES Dimensions Weight	82 (W.) x 142 (H.) x 226 (D.) mm 1.5 kg approx