



# 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**.

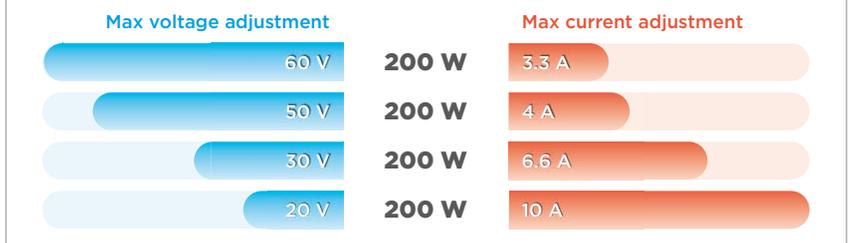
Flexible and efficient, the **FA-610** power supply seamlessly integrates into your workflow with complete SCPI support and PC remote control.

**60V 10A**

**USB CHARGE PORT**

**SMART COOLING**

### AUTOMATIC OUTPUT POWER MANAGEMENT



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