

FA-853B PROGRAMMABLE DC POWER SUPPLY WITH REMOTE CONTROL, USB, LAN AND RS-232

FA-853B is a high-performance DC power supply featuring three variable output channels with four convenient modes of operation: Independent, Parallel, Serial and Channel Tracking output mode (the power supply monitors the CH1 and CH2 parameters so that after a manual adjust of the parameters of one output the other output is auto-adjusted proportionally). The excellent features of this desktop power supply include datalogging, remote control, external USB storage devices compatibility, configuration backup, a high-resolution LCD display and extremely clean ripple&noise. The power supply is very appropriate to use in education thanks to its double protection (over-voltage and over-current).

**UP TO 60V / 3A (PARALLEL MODE)
UP TO 30V / 6A (SERIAL MODE)**

- ✓ Three variable output channels
- ✓ Low noise and ripple: ≤ 4 mV_{RMS}
- ✓ Four operating modes: Independent, Parallel, Series, Channel Tracking
- ✓ Interfaces: USB, RS-232, LAN
- ✓ Control software included



SPECIFICATIONS	FA-853B	Resolution	1 mV, 1 mA
Variable output channels	CH1, CH2 and CH3	Accuracy (25 ± 5 °C)	
CH1 and CH2 operation Independent Parallel Serial Channel	Outputs are controlled separately Physically connected in parallel Physically connected in serial Channel output parameters change proportionally	Voltage	$\leq 0.03\% + 10$ mV
		Current (CH1/CH2) Current (CH3)	$\leq 0.1\% + 8$ mA $\leq 0.1\% + 5$ mA
Output Voltage Independent Parallel Serial CH3	2x 0 to 30 V 0 to 30 V 0 to 60 V 0 to 6 V	Parallel accuracy	
		Voltage Current	$\leq 0.02\% + 5$ mV $\leq 0.1\% + 30$ mA
Output Current Independent Parallel Serial CH3	2x 0 to 3 A 0 to 6 A 0 to 3 A 0 to 3 A	Noise and Ripple (20 Hz ~ 20 MHz)	
		Voltage (Vp-p) Voltage (RMS) Current (RMS)	≤ 4 mV _{P-P} (CH1/CH2), ≤ 3 mV _{P-P} (CH3) ≤ 4 mV _{RMS} ≤ 5 mA _{RMS} (CH1/CH2), ≤ 5 mA _{RMS} (CH3)
Max. output power CH1, CH2 CH3	90 W 18 W	Programmable output	
		Internal storage Time setting	1 Mpoints (100 groups) Seconds
Over current protection	3.1 A	Data record function	10K data groups (Volt., Curr., Power)
		Interfaces	USB Host, USB device, RS-232, LAN Supports USB TMC protocol
Line Regulation Voltage Current	$\leq 0.01\% + 3$ mV $\leq 0.01\% + 3$ mA	Display	4" color TFT LCD 480x320 pixels
		Power supply	110 / 220 V _{AC} ± 10% (50 / 60 Hz) 125 V, F5 A 250 V, F3 A
Load Regulation Voltage Current	$\leq 0.01\% + 3$ mV $\leq 0.01\% + 3$ mA	Mechanical Features	
		Dimensions Weight	250 W. x 158 H. x 358 D. mm 9.8 kg