

Fanless Multi-Range DC Power Supplies

- PFR-100L50** (100W 50V/2A-10V/10A)
- PFR-100L50G*** (100W 50V/2A-10V/10A)
- PFR-100M250** (100W 250V/0.4A-50V/2A)
- PFR-100M250G*** (100W 250V/0.4A-50V/2A)

*G Type: With GP-IB/LAN interface

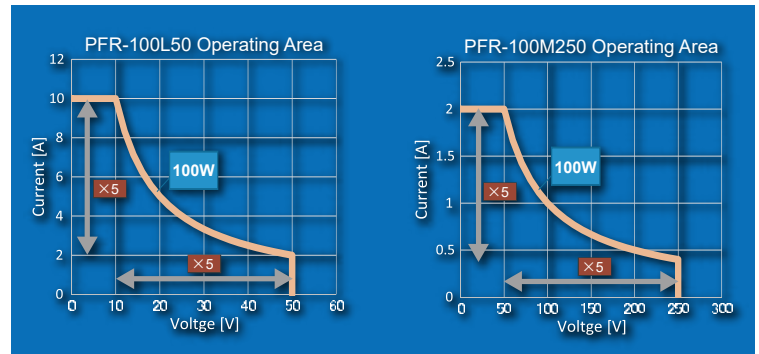
PFR Series

Switching



The PFR-100 series, a small and high-performance programmable D.C. power supply, adopts natural convection design to dissipate heat. The PFR-100 series is a power supply with a five-fold rated power that allows users to self-define voltage and current under rated power conditions so as to satisfy them with wider voltage and current operational ranges. The PFR-100 series, with rated 100W, provides two models: PFR-100L50 maximum output voltage of 50V (at 2A) or maximum output current of 10A (at 10V); PFR-100M250 maximum output voltage of 250V (at 0.4A) or maximum output current of 2A (at 50V).

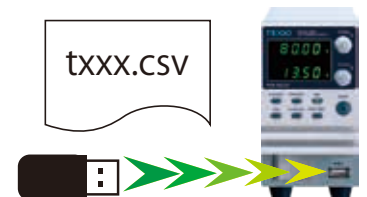
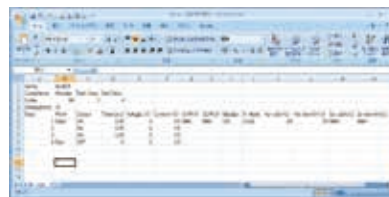
Multi-Range Operation



- Constant Power Output for 5 Times Multi-range(V&I) Operation
- Natural Convection Cooling Design (Fanless Structure)
- Preset Memory Function
- Output ON/OFF Delay Function
- CV, CC Priority Mode
- Adjustable Slew Rate For Voltage and Current
- Bleeder Circuit Control
- Protections: OVP, OCP, AC FAIL and OTP
- Support Front and Rear Panel Output
- Test mode function (Sequence)
- Built-in USB and RS-232/485 Interface
- Built-in LAN and GPIB Interface (G Type)
- Web Server Monitoring and Control
- External Analog Control and Monitor Function
- Remote Sensing Function
- Dimension 71 x 124 x 301(mm), Weight Approx 2.5(kg)
- LabVIEW Driver

Test mode Function

The test mode is a function to automatically update voltage and current settings according to the time. The setting creates a CSV file on the PC and loads it into PFR using the USB flash drive, so it can use it without difficult operation..



Specifications

Model	Rating Power	Output (Voltage,Current)	Ripple		Line regulation		Load regulation		Dimensions W×H×D(mm)	Max. dimensions W×H×D(mm)	Power consumption W/VA(approx.)	Weight kg (approx.)
			mVrms	mArms	CV mV	CC mA	CV mV	CC mA				
PFR-100L50	100W	0V-50V, 0A-10A	4	10	8	8	10	10	71×124×301	71×143×320	150VA	2.5
PFR-100M250	100W	0V-250V, 0A-2A	15	2	30	1.2	33	3.2	71×124×301	71×143×320	150VA	2.5