

PFR-100 Specifications

The specifications apply when the PFR-100 is powered on for at least 30 minutes.

	Model		PFR-100L	PFR-100M
OUTPUT RATING	Rated Output Voltage Rated Output Current Rated Output Power		50V 10A 100W	250V 2A 100W
REGULATION(CV)	Load Regulation (*2) Line Regulation (*1)		10mV 3mV	33mV 5mV
REGULATION(CC)	Load Regulation (*9) Line Regulation (*1)		10mA 8mA	3.2mA 1.2mA
RIPPLE & NOISE (*3)	Vp-p (*4) Vr.m.s.(*5) A r.m.s.		50mV 4mV 10mA	150mV 15mV 2mA
PROGRAMMING ACCURACY	Voltage Current	0.1% of setting + 0.2% of setting +	40mV 20mA	200mV 2mA
MEASUREMENT ACCURACY	Voltage Current	0.1% of reading + 0.2% of reading +	40mV 20mA	200mV 2mA
RESPONSE TIME	Rise Time (*6) Fall Time (*7) Transient Response Time (*8)	Rated load Rated load No load	50ms 100ms 500ms 1.5ms	200ms 300ms 3000ms 2ms
PROGRAMMING RESOLUTION	Voltage Current		2mV 1mA	10mV 0.1mA
MEASUREMENT RESOLUTION	Voltage Current		2mV 1mA	10mV 0.1mA
PROTECTION FUNCTION	Over Voltage Protection (OVP) Over Current Protection (OCP) Under Voltage Limit (UVL) Over Temperature Protection (OTP) Low AC Input Protection (AC-Fail) Power Limit (Power Limit)	Setting range Setting range Setting range Operation Operation Operation	5~55V 1~11A 0~52.5V Turn the output off. Turn the output off. Turn the output off.	5~275V 0.2~2.2A 0~262.5V Turn the output off. Turn the output off. Turn the output off.
FRONT PANEL DISPLAY ACCURACY, 4 DIGITS	Voltage Current	0.1% of reading + 0.2% of reading +	40mV 20mA	200mV 2mA
ENVIRONMENT CONDITION	Operating Temperature Storage Temperature Operating Humidity Storage Humidity		0°C to 40°C -20°C to 70°C 20% to 80% RH; No condensation 20% to 85% RH; No condensation	
REDBACK TEMP. COEFFICIENT (After A 30 Minute Warm-up)	Voltage Current		100ppm/°C 200ppm/°C	
OTHER	Analog Control		Yes	

	Interface AC Input		USB, RS-232/RS-485; Factory option: LAN/GPIB 85~265VAC, 47~63Hz, single pahse
DIMENSIONS & WEIGHT	70(W)x124(H)x300(D)mm; Approx.2.5kg		

Notes:

- *1: At 85 ~ 132Vac or 170 ~ 265Vac, constant load.
- *2: From No-load to Full-load, constant input voltage. Measured at the sensing point in Remote Sense.
- *3: Measure with JEITA RC-9131B (1:1) probe
- *4: Measurement frequency bandwidth is 10Hz to 20MHz.
- *5: Measurement frequency bandwidth is 5Hz to 1MHz.
- *6: From 10%~90% of rated output voltage, with rated resistive load.
- *7: From 90%~10% of rated output voltage, with rated resistive load.
- *8: Time for output voltage to recover within 0.1% + 10mV of its rated output for a load change from 50 to 100% of its rated output current.
- *9: For load voltage change, equal to the unit voltage rating, constant input voltage.