

## Constant Voltage Mode

CVL Range	0.000 ~ 20.00	V
CVL Program Resolution*2	5.556	mV
CVL Program Accuracy*2	0.10% ± 0.020	V
CVL Readback Resolution	5.556	mV
CVL Readback Accuracy	0.20% ± 0.020	V
CVL Slew Rate Range	0.073 ~ 20.00	V/ms
Temperature Coefficient	100 ppm / °C of Rated Voltage	

## Constant Current Mode

CCM Range	0.000 ~ 50.00	A
CCL Range	0.000 ~ 5.000	A
Minimum Voltage at Imax	0.400	V
Transient Time	200.0	us
CCM Program Resolution*2	13.89	mA
CCL Program Resolution*2	1.389	mA
CCM Program Accuracy*2	0.10% ± 0.050	A
CCL Program Accuracy*2	0.10% ± 0.050	A
CCM Readback Resolution	13.89	mA
CCL Readback Resolution	1.389	mA
CCM Readback Accuracy	0.20% ± 0.050	A
CCL Readback Accuracy	0.20% ± 0.050	A
CCM Slew Rate Range	0.00092 ~ 0.250	A/us
CCL Slew Rate Range	0.000092 ~ 0.025	A/us
Temperature Coefficient	100 ppm / °C of Rated Current	

## External Mode

Analog Program	0~10 Volts Input yields 0~selected full scaled loading in CC mode		
Accuracy	Same As Internal ± 0.1% Rating		
Input Impedance	147 kΩ	±	2 %
Monitor output Signal	0~10 Volts output for 0~full scaled current		
VMON Accuracy	0.10%	±	0.020 V
IMON Accuracy	0.10%	±	0.050 A

## Programmable Protection

Power(OPP)		
Range	0.167 ~ 66.00	W
Resolution	0.017	W
Accuracy	1.00% ± 0.333	W
Voltage(OVP)		
Range	0.056 ~ 22.00	V
Resolution	5.556	mV
Accuracy	0.20% ± 0.056	V
Current(OCP)		
Range	0.139 ~ 55.00	A
Resolution	13.89	mA
Accuracy	0.20% ± 0.139	A

## Constant Power Mode

CPM Range	0.000 ~ 60.00	W
CPL Range	0.000 ~ 6.000	W
	@ lin ≤ 5.000	A
CPM Resolution*2	0.017	W
CPL Resolution*2	0.0017	W
CPM Accuracy*2	1.0% ± 0.278	+
	0.104 ×   10.00 - Vin	W
CPL Accuracy*2	1.0% ± 0.056	+
	0.021 ×   10.00 - Vin	W
CPM / L Slew Rate Range	Same As CC Mode	
Temperature Coefficient	300 ppm / °C of Rated Power	

## Constant Resistance Mode

CRH Range	4.000 ~ 400.0	Ω
	@ lin ≤ 5.000	A
CRM Range	0.400 ~ 4.000	Ω
CRL Range	0.008 ~ 0.400	Ω
CRH Resolution*2	0.0833	mS
CRM Resolution*2	0.833	mS
CRL Resolution*2	0.133	mΩ
CRH Accuracy*2	1.00% ± 2.000	mS
	@lin > 0.050	A
	& Vin > 5.000	V
CRM Accuracy*2	1.00% ± 5.000	mS
	@lin > 0.500	A
	& Vin > 2.000	V
CRL Accuracy*2	1.00% ± 0.800	mΩ
	@lin > 5.000	A
	& Vin > 0.020	V
CRM / CRH Slew Rate Range	Same As CC Mode	
CRL Slew Rate Range	Same As CV Mode	
CRM / H Temperature Coefficient	300 ppm / °C of Minimum Resistance	
CRL Temperature Coefficient	300 ppm / °C of Maximum Resistance	

## General

Transient Mode		
Frequency Range	0.100 ~ 20,000	Hz
Accuracy	0.2%	
Duty Range	1.000 ~ 99.0	%
Accuracy	0.2%	
Transient Time Accuracy	15.0% ± 50% of Minimum Time	
Remote Interface	GPIO / RS-232	
Derating for higher temperatures	(-)2.25% Rated Power / °C	
AC Input	115 / 230 Vac 50 / 60 Hz	
Power Consumption	35 VA	
Operating Temperature	5 °C ~ 40 °C	
Dimension	21.65"(L)x4.17"(W)x7.57"(H)	
Weight	19 lbs	8.6 kg
Approx.Shipping Weight	34 lbs	15.4 kg

\*1 All Mode Specification measure by 25 °C room temperature unless otherwise specified

\*2 Transient Mode Specification must be x2

AMREL reserves the right to change limits, test conditions, and dimensions without notice



FEL60-2 (20V,50A,60W) OPERATIONAL CURVE

