

SPECIFICATIONS

MODEL : LF1800-B(1800W)



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Parameter		Specifications	
Operating range(@0℃ ~ 40℃)	Voltage	1 to 300.0V	Maximum 315.0
	Current	0 to 120.0A	Maximum 126.0
	Max Power	0 to 1800.0W at 40°C	(derated to 1440.0W at 50°C)
MODE SPECIFICATIONS			
CC MODE	RANGE	HI 0 to 126.0A LOW 0 to 12.0A	
	RESOLUTION	LOW 1.0mA	HI 10.0mA
	Accuracy	±0.1%±24.0mA (after 30sec wait)	
CV MODE	RANGE	HI 1 to 315.0V LOW 0 to 40.0V	
	RESOLUTION	LOW 1.0mV	HI 10.0mV
	Accuracy	±0.05%±60.0mV	
CR MODE	RANGE	0.2 to 1.5kΩ	
	RESOLUTION	100mΩ	
	Accuracy	±0.5%±200mΩ (<50mS)	
CP MODE	RANGE	0 to 1800.0W at 40°C	
	RESOLUTION	100mW	
	Accuracy	±0.5%±400mW (<50mS)	
ON/OFF MODE	RANGE	0 to 126.0A	
	RESOLUTION	10.0mA	
	Accuracy	±0.1%±24.0mA (after 30sec wait)	
	ON/OFF TIME	100mS~250H59M59S990mS(10mS Unit)	
	REPEAT	1~65000	
FUSE MODE	RANGE	0 to 126.0A	
	RESOLUTION	10.0mA	
	Accuracy	±0.1%±24.0mA (after 30sec wait)	
	FUSE TIME	100mS~250H59M59S990mS(10mS Unit)	
BAT MODE	CC	RANGE	0 to 126.0A
		Accuracy	±0.1%±24.0mA (after 30sec wait)
	CR	RANGE	0.2 to 1.5kΩ
		Accuracy	±0.5%±200mΩ (<50mS)
	CP	RANGE	0 to 1800.0W at 40°C
		Accuracy	±0.5%±400mW (<50mS)
	END Volt		0 to 315.0V
	END CAP		0.01 to 5000AH
CYCLE MODE	CC	RANGE	0 to 126.0A
		Accuracy	±0.1%±24.0mA (after 30sec wait)
	CV	RANGE	0 to 315.0V
		Accuracy	±0.05%±60.0mV
	CYCLE TIME		100mS~250H59M59S990mS(10mS Unit)
	STEP		1~100Step
REPEAT		1~65000	
DYNAMIC MODE	MEMORY CH		2CH
	Freq Range		0.5Hz ~ 10KHz
	Freq Accuracy		3%
	Duty Cycle Range		3~97%(<200μS)
	Duty Cycle Accuracy		6% of setting±2%
	CC	Range	0 to 126.0A
		Accuracy	A ±0.1%±24.0mA B ±0.2%±48.0mA
	CV	Range	0 to 315.0V
		Accuracy	A ±0.05%±60.0mV B ±0.1%±120.0mV
SLEW RATE(typical values: 5%~95%)			
CC,CR,CP MODE		<200uS(0 to 120.0A)	
CV MODE		<2mS(0 to 300.0V)	
PROTECTION			
OVP		324.0V(<10mS)	
OCP		129.6A(<10mS)	
OPP		1944.0W(<10mS)	
OTP		100°C(Heatsink Temp)	
Short& Open	Shor	100mΩ(max), 50mΩ(typical)	
	Open	≥20kΩ	
Ripple& Noise	Current	4mA(rms)/40mA(p-p)	
	Voltage	6mV(rms)	
Remote Sensing		3Vdc between sense And load input	
INPUT AC		110/220V(S/W) ± 10% 50~60Hz/300mA POWER MAX :66W	
Remote Interface		RS-232C & RS-485 (TCP/IP Option)	
Cooling		Isolation DC FAN	
Dimensions (19-inch 2U Standard)		426mm(W) * 176mm(H) *520mm(D) (1500~2400W)	
Weight		27kg(Net weight) / 28kg(Gross weight)	