

SPECIFICATIONS

MODEL : LF2100-B(2100W)



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Parameter			Specifications	
Operating range(@0℃ ~ 40℃)	Voltage		1 to 300.0V	
	Current		0 to 140.0A	
	Max Power		0 to 2100.0W at 40°C (derated to 1680.0W at 50°C)	
MODE SPECIFICATIONS				
CC MODE	RANGE		HI 0 to 147.0A LOW 0 to 14.0A	
	RESOLUTION		LOW 1.0mA HI 10.0mA	
	Accuracy		±0.1%±28.0mA (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 1.3kΩ	
	RESOLUTION		100mΩ	
	Accuracy		±0.5%±200mΩ (<50mS)	
CP MODE	RANGE		0 to 2100.0W at 40°C	
	RESOLUTION		100mW	
	Accuracy		±0.5%±450mW (<50mS)	
ON/OFF MODE	RANGE		0 to 147.0A	
	RESOLUTION		10.0mA	
	Accuracy		±0.1%±28.0mA (after 30sec wait)	
	ON/OFF TIME		100mS~250H59M59S990mS(10mS Unit)	
	REPEAT		1~65000	
FUSE MODE	RANGE		0 to 147.0A	
	RESOLUTION		10.0mA	
	Accuracy		±0.1%±28.0mA (after 30sec wait)	
	FUSE TIME		100mS~250H59M59S990mS(10mS Unit)	
BAT MODE	CC	RANGE	0 to 147.0A	
		Accuracy	±0.1%±28.0mA (after 30sec wait)	
	CR	RANGE	0.2 to 1.3kΩ	
		Accuracy	±0.5%±200mΩ (<50mS)	
	CP	RANGE	0 to 2100.0W at 40°C	
		Accuracy	±0.5%±450mW (<50mS)	
	END Volt		0 to 315.0V	
	END CAP		0.01 to 5000AH	
CYCLE MODE	CC	RANGE	0 to 147.0A	
		Accuracy	±0.1%±28.0mA (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 147.0A	
		Accuracy	A ±0.1%±28.0mA	B ±0.2%±56.0mA
	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 140.0A)	
CV MODE			<2mS(0 to 300.0V)	
PROTECTION				
OVP			324.0V(<10mS)	
OCP			151.2A(<10mS)	
OPP			2268.0W(<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			29kg(Net weight) / 30kg(Gross weight)	