

SPECIFICATIONS

MODEL : LF1800-A(1800W)



ODA

TECHNOLOGIES
www.odacore.com

Parameter		Specifications		
Operating range(@0°C ~ 40°C)	Voltage	1 to 150.0V	Maximum 157.5	
	Current	0 to 360.0A	Maximum 378.0	
	Max Power	0 to 1800.0W at 40°C	(derated to 1440.0W at 50°C)	
MODE SPECIFICATIONS				
CC MODE	RANGE	HI 0 to 378.0A LOW 0 to 36.0A		
	RESOLUTION	LOW 1.0mA	HI 10.0mA	
	Accuracy	±0.1%±72.0mA (after 30sec wait)		
CV MODE	RANGE	HI 1 to 157.5V LOW 0 to 20.0V		
	RESOLUTION	LOW 1.0mV	HI 10.0mV	
	Accuracy	±0.05%±30.0mV		
CR MODE	RANGE	0.02 to 500Ω		
	RESOLUTION	10mΩ		
	Accuracy	±0.5%±50mΩ (<50mS)		
CP MODE	RANGE	0 to 1800.0W at 40°C		
	RESOLUTION	100mW		
	Accuracy	±0.5%±400mW (<50mS)		
ON/OFF MODE	RANGE	0 to 378.0A		
	RESOLUTION	10.0mA		
	Accuracy	±0.1%±72.0mA (after 30sec wait)		
	ON/OFF TIME	100mS~250H59M59S990mS(10mS Unit)		
	REPEAT	1~65000		
FUSE MODE	RANGE	0 to 378.0A		
	RESOLUTION	10.0mA		
	Accuracy	±0.1%±72.0mA (after 30sec wait)		
	FUSE TIME	100mS~250H59M59S990mS(10mS Unit)		
BAT MODE	CC	RANGE	0 to 378.0A	
		Accuracy	±0.1%±72.0mA (after 30sec wait)	
	CR	RANGE	0.02 to 500Ω	
		Accuracy	±0.5%±50mΩ (<50mS)	
	CP	RANGE	0 to 1800.0W at 40°C	
		Accuracy	±0.5%±400mW (<50mS)	
	END Volt	0 to 157.5V		
END CAP	0.01 to 5000AH			
CYCLE MODE	CC	RANGE	0 to 378.0A	
		Accuracy	±0.1%±72.0mA (after 30sec wait)	
	CV	RANGE	0 to 157.5V	
		Accuracy	±0.05%±30.0mV	
	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 settling±2%		
	CC	Range	0 to 378.0A	
		Accuracy	A ±0.1%±72.0mA	B ±0.2%±144.0mA
	CV	Range	0 to 157.5V	
		Accuracy	A ±0.05%±30.0mV	B ±0.1%±60.0mV
SLEW RATE(typical values: 5%~95%)				
CC,CR,CP MODE	<200uS(0 to 360.0A)			
CV MODE	<2mS(0 to 150.0V)			
PROTECTION				
OVP	162.0V(<10mS)			
OCP	388.8A(<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)			