

SPECIFICATIONS

MODEL : LF300-A(300W)



ODA

TECHNOLOGIES
www.odacore.com

Parameter		Specifications	
Operating range(@0°C ~ 40°C)	Voltage	1 to 150.0V	Maximum 157.5
	Current	0 to 60.0A	Maximum 63.0
	Max Power	0 to 300.0W at 40°C	(derated to 240.0W at 50°C)
MODE SPECIFICATIONS			
CC MODE	RANGE	HI 0 to 63.0A LOW 0 to 6.0A	
	RESOLUTION	LOW 0.1mA	HI 1.0mA
	Accuracy	±0.1%±12.0mA (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	0.1 to 3kΩ	
	RESOLUTION	100mΩ	
	Accuracy	±0.5%±100mΩ (<50mS)	
CP MODE	RANGE	0 to 300.0W at 40°C	
	RESOLUTION	10mW	
	Accuracy	±0.5%±30mW (<50mS)	
ON/OFF MODE	RANGE	0 to 63.0A	
	RESOLUTION	1.0mA	
	Accuracy	±0.1%±12.0mA (after 30sec wait)	
	ON/OFF TIME	100mS~250H59M59S990mS(10mS Unit)	
FUSE MODE	REPEAT	1~65000	
	RANGE	0 to 63.0A	
	RESOLUTION	1.0mA	
	Accuracy	±0.1%±12.0mA (after 30sec wait)	
BAT MODE	FUSE TIME	100mS~250H59M59S990mS(10mS Unit)	
	CC	RANGE	0 to 63.0A
		Accuracy	±0.1%±12.0mA (after 30sec wait)
	CR	RANGE	0.1 to 3kΩ
		Accuracy	±0.5%±100mΩ (<50mS)
	CP	RANGE	0 to 300.0W at 40°C
Accuracy		±0.5%±30mW (<50mS)	
END Volt	0 to 157.5V		
END CAP	0.01 to 5000AH		
CYCLE MODE	CC	RANGE	0 to 63.0A
		Accuracy	±0.1%±12.0mA (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 63.0A
		Accuracy	A ±0.1%±12.0mA B ±0.2%±24.0mA
	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 60.0A)		
CV MODE	<2mS(0 to 150.0V)		
PROTECTION			
OVP	162.0V(<10mS)		
OCP	64.8A(<10mS)		
OPP	324.0W(<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)	213mm(W) * 88mm(H) *470mm(D) (300~600W)		
Weight	7kg(Net weight) / 8kg(Gross weight)		