

SPECIFICATIONS

MODEL : LP1500-A(1.5kw)



ODA

TECHNOLOGIES
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Parameter		Specifications					
Operating range(@0°C ~ 40°C)	Voltage	3~60V					
	Current	0~300A					
	Max Power	1.5kw					
MODE SPECIFICATIONS							
CC MODE	RANGE	HIGH_0~300A LOW_0~30A					
	RESOLUTION	L:100mA,H:1A					
	Accuracy	±0.1%±300mA (after 30sec wait)					
CV MODE	RANGE	3~60V					
	RESOLUTION	10mV(remote sense) or 40mV(local sense)					
	Accuracy	±0.1%±50mV					
CR MODE	RANGE	HIGH_2~600Ω MID_0.2~60Ω LOW_0.07~0.2Ω					
	Accuracy	HIGH&MID_±0.3%±4mS (with ≥6V at input) LOW_±0.8%±4mΩ (with ≥6A at input)					
	MEMORY CH	2CH					
DYNAMIC MODE	Freq Range	0.5Hz ~ 10KHz					
	Freq Accuracy	3%					
	Duty Cycle Range	6~97%(0.25~1kHz), 6~94%(1~10kHz)					
	Duty Cycle Accuracy	6% of setting±2%					
	Pulse Width	50µs±3%(min), 4s±3%(max)					
	Current Range	Low_0~30A, Hi_0~300A					
	Current Accuracy	Low_±0.1%±240mA, Hi_±0.1%±800mA					
	Voltage Range	3~60V					
	Voltage Accuracy	±0.1%±300mV					
	Resistance Range	LOW_0.007~0.2Ω, MID_0.2~200Ω, HIGH_2~2,000Ω					
	Resistanc Accuracy	LOW_±0.8%±4mΩ (with ≥6A at input), HIGH&MID_±0.3%±4mS (with ≥6V at input)					
	Mode	CC,CV,CR,					
	PROTECTION						
OVP	63V						
OCP	315A						
OPP	1575W						
OTP	105°C(Heatsink Temp)						
Short& Open	Shor	7mΩ(max), 5mΩ(typical)					
	Open	≥2kΩ					
Ripple& Noise	Current	24mA(rms)/240mA(p-p)					
	Voltage	6mV(rms)					
SLEW RATE							
X	Current Slew Rate			Voltage Slew Rate		Resistanc Slew Rate	
	High Range Step	Low Range Step	Transition Time	Voltage Step	Transition Time		
	1	3A/ms	0.3A/ms	8.0ms	1V/ms		8.0ms
	2	7.5A/ms	0.75A/ms	3.2ms	2.5V/ms		3.2ms
	3	15A/ms	1.5A/ms	1.6ms	5V/ms		1.6ms
	4	30A/ms	3A/ms	800µs	10V/ms		800µs
	5	75A/ms	7.5A/ms	320µs	25V/ms		320µs
	6	0.15A/µs	15A/ms	160µs	50V/ms		160µs
	7	0.3A/µs	30A/ms	80µs	0.1V/µs		80µs
8	0.75A/µs	75A/ms	32µs	0.25V/µs	32µs		
(High & Middle Ranges = Current Slew Rate)							
(LOW Ranges = Voltage Slew Rate)							
Remote Sensing	5Vdc between sense And load input						
INPUT AC	220V ± 10% 50~60Hz/430mA						
Remote Interface	RS-232C & RS-485						
Cooling	Isolation DC FAN						
Dimensions (19-inch 3U Standard)	426mm(W) * 176mm(H) *630mm(D)						
Weight	23kg(Net weight) / 25kg(Gross weight)						