

SPECIFICATIONS

MODEL : LP1000-C(1000W)



ODA

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Parameter		Specifications					
Operating range(@0°C ~ 40°C)	Voltage	3~500V					
	Current	0~25A					
	Max Power	1000W at 40°C(derated to 760W at 55°C)					
MODE SPECIFICATIONS							
CC MODE	RANGE	HIGH_0~25A LOW_0~2.5A					
	RESOLUTION	L:10mA :H100mA					
	Accuracy	±0.1%±150mA (after 30sec wait)					
CV MODE	RANGE	3~500V					
	RESOLUTION	100mV(remote sense) or 400mV(local sense)					
	Accuracy	±0.1%±500mV					
CR MODE	RANGE	HIGH_10~40kΩ MID_1~4kΩ LOW_0.2~20Ω					
	Accuracy	HIGH&MID_±0.3%±8mΩ (with ≥6V at input) LOW_±0.8%±8mΩ (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	0~25A					
	Current Accuracy	±0.1%±70mA					
	Voltage Range	0~500V					
	Voltage Accuracy	±0.1%±500mV					
	Mode	CC,CV					
PROTECTION							
OVP	520V						
OPP	1100W						
OTP	105°C(Heatsink Temp)						
Short& Open	Shor	50mΩ(max), 70mΩ(typical)					
	Open	≥50kΩ					
Ripple& Noise	Current	2mA(rms)/20mA(p-p)					
	Voltage	100mV(rms)					
SLEW RATE (typical values: 5%~95%)							
X	Current Slew Rate(Conditions:3~500V)			Voltage Slew Rate		Resistanc Slew Rate	
	High Range Step	Low Range Step	Transition Time	Voltage Step	Transition Time		
	1	0.24A/ms	24A/s	8.0ms	4V/ms		8.0ms
	2	0.6A/ms	60A/s	3.2ms	10V/ms		3.2ms
	3	1.2A/ms	120A/s	1.6ms	20V/ms		1.6ms
	4	2.4A/ms	0.24A/ms	800μs	40V/ms		800μs
	5	6A/ms	0.6A/ms	320μs	100V/ms		320μs
	6	12A/ms	1.2A/ms	160μs	200V/ms		160μs
	7	24A/ms	2.4A/ms	80μs	0.4V/μs		100μs
8	60A/ms	6A/ms	32μs	1V/μs	100μs		
Remote Sensing	5Vdc between sense And load input						
INPUT AC	220V ± 10% 50~60Hz/250mA						
Remote Interface	RS-232C & RS-485 & USB						
Cooling	Isolation DC FAN						
Dimensions (19-inch 3U Standard)	426mm(W) * 177mm(H) *470mm(D) (1000~1300W)						
Weight	20kg(Net weight) / 22kg(Gross weight)						