

# MODEL : LP1000-B(1KW)

Parameter		Specifications					
Operating range(@0°C ~ 40°C)	Voltage	3~250V					
	Current	0~40A					
	Max Power	1000W at40°C(derated to 720W at 55°C)					
<b>MODE SPECIFICATIONS</b>							
CC MODE	RANGE	HIGH_0~40A LOW_0~4A					
	RESOLUTION	L:10mA :H100mA					
	Accuracy	±0.1%±75mA (after 30sec wait)					
CV MODE	RANGE	3~250V					
	RESOLUTION	100mV(remote sense) or 400mV(local sense)					
	Accuracy	±0.1%±100mV					
CR MODE	RANGE	HIGH_10~20kΩ					
		MID_1~2kΩ					
		LOW_0.2~6Ω					
Accuracy	HIGH&MID_±0.3%±8mΩ (with ≥6V at input) LOW_±0.8%±8mΩ (with ≥6A at input)						
DYNAMIC MODE	MEMORY CH	2CH					
	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	0~40A					
	Current Accuracy	±0.1%±350mA					
	Voltage Range	0~250V					
	Voltage Accuracy	±0.1%±300mV					
Mode	CC,CV						
<b>PROTECTION</b>							
OVP	260V						
OPP	1100W						
OTP	105°C(Heatsink Temp)						
Short& Open	Shor	33mΩ(max), 20mΩ(typical)					
	Open	≥20kΩ					
Ripple& Noise	Current	4mA(rms)/40mA(p-p)					
	Voltage	10mV(rms)					
<b>SLEW RATE</b> (typical values: 5%~95%)							
X	Current Slew Rate(Conditions:3~250V)			Voltage Slew Rate		Resistanc Slew Rate	
		High Range Step	Low Range Step	Transition Time	Voltage Step		Transition Time
	1	0.68A/ms	68A/s	8.0ms	4V/ms		8.0ms
	2	1.7A/ms	170A/s	3.2ms	10V/ms		3.2ms
	3	3.32A/ms	332A/s	1.6ms	20V/ms		1.6ms
	4	6.8A/ms	0.68A/ms	800μs	40V/ms		800μs
	5	17A/ms	1.7A/ms	320μs	100V/ms		320μs
	6	33.2A/ms	3.32A/ms	160μs	200V/ms		160μs
	7	68A/ms	6.8A/ms	80μs	0.4V/μs		100μs
	8	0.17A/μs	17A/ms	32μs	1V/μs		100μs
9	0.332A/μs	33.2A/ms	16μs	2V/μs	100μs		
10	0.68A/μs	68A/ms	16μs	<del>XXXXXXXXXX</del>			
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) * 133mm(H) *470mm(D) (750~1000W)						
Weight	15kg(Net weight) / 16kg(Gross weight)						