

High Power DC Load

MODEL		EL200VDC3400W		
Rated	Voltage	0~200V		
	Current	0~370A		
	Power	0~3400W		
	Min. Operating Voltage	0.18V@37A	0.9V@185A	1.8V@370A
Static Mode				
Constant Current Mode	Range	0~37A	0~185A	0~370A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~340W	0~1700W	0~3400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	10mΩ~100Ω(16V)	40mΩ~400Ω(80V)	1000mΩ~2000Ω(200V)
	Resolution	10mΩ(16V)	40mΩ(80V)	1000mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% IF.S.		
Dynamic Mode				
CCD/CRD	T1&T2(Pro.)	0.02ms~300s		
	T1&T2(Adv.)	0.05ms~300s		
	Resolution	1μs		
	Accuracy	1μs+100ppm		
	Slew Rate(Pro.)	0.5mA/μs~3.7A/μs	2mA/μs~12.95A/μs	5mA/μs~25.9A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.37A/μs	2mA/μs~1.85A/μs	5mA/μs~3.7A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.5mA/μs	2mA/μs	5mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mAV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~37A	0~185A	0~370A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~340W	0~1700W	0~3400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency		500kHz		
Protection				
OVP		16.32V	81.6V	204V
OCP		37.74A	188.7A	377.4A
OPP		346.8W	1734W	3468W
Over Temperature		70~75°C		
Overvoltage Safety Value		110%VF.S.		
Reverse Protection		Yes		
Alarm Tone		Yes		
Mechanical				
Dimensions(WxHxD)		423x133x610mm		
Package Dimensions(WxHxD)		665x348x918mm		
Unit Net Weight		28.5kg		
Net Weight		37.3kg		
AC Input				
Voltage		100~240Vac		
Frequency		50~60Hz		
Power		200VA		
Fuse		2.5A		

200V Series System Specifications			
Non Linear Mode			
Range	CL	30uF~50000uF	
	RL	As CR Mode	
	Ls	0.1uH~16uH	
	Rs	30mΩ~20Ω	
Resolution	CL	1uF	
	RL	As CR Mode	
	Ls	0.1uH	
	Rs	1mΩ	
Battery Discharge Mode			
Battery Voltage	As CV Mode		
Current Resolution	As CC Mode		
Record	AH/WH		
Test Time	1s~100000s		
Time Resolution	1s		
Program Mode			
Step No.	300 Max.		
Dwell	0.1ms~4000s		
Spec Check	Voltage/Current/Power		
External Waveform Control/Monitor			
Control/Monitor	Voltage/Current		
Input/Ouput Range	0~10V		
Voltage Range	0~L_range F.S.	0~M_range F.S.	0~H_range F.S.
Current Range	0~L_range F.S.	0~M_range F.S.	0~H_range F.S.
Accuracy	0.4%F.S.		
Resolution	4mV		
Bandwidth	20kHz		
Input Impedance	10kΩ		
Short Circuit			
Current(CC)	Full range current value		
Voltage(CV)	Voltage value at the Max power in working mode		
Resistance(CR)	Min resistance value of CR Mode		
Master/Slave			
Parallel Interface	RJ45		
Parallel Quantity (Pro.)	20 units		
Parallel Quantity (Adv.)	10 units		
General			
Graphic Display	4.3"Color touch LCD		
Operation Key Feature	Soft key, Numeric key, Rotary Knob, Support USB disk		
Rack Mount Handles	Yes		
FAN	Temperature Control		
Interface	RS232/RS485/USB(Standard), GPIB/LAN(Optional)		
Communication Response Time	30ms		
Storage Capacity	User defined settings (300 sets), OCP settings (10 sets), OPP settings (10 sets), Default settings (1 set), Factory setting (1 set)		
Environmental			
Operating Temperature	0~40°C		
Storage Temperature	-20~80°C		
Temperature Coefficient	100ppm/°C(Typical)		
Relative Humidity	10~90%RH		
Altitude	<2000m		
Regulatory Compliance			
Overvoltage Category	II		
Protection Degree	I		
Pollution Degree	II		
Input Impedance	800kΩ(Typical)		
Isolation Voltage	/		
Certificates	CE		

All specifications are subject to change without notice.