

# High Power DC Load

MODEL		EL600VDC5600W		
Rated	Voltage	0~600V		
	Current	0~410A		
	Power	0~5600W		
	Min. Operating Voltage	0.8V@41A	4V@205A	8V@410A
<b>Static Mode</b>				
Constant Current Mode	Range	0~41A	0~205A	0~410A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~560W	0~2800W	0~5600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	60mΩ~600Ω(80V)	250mΩ~2500Ω(150V)	2500mΩ~5000Ω(600V)
	Resolution	60mΩ(80V)	250mΩ(150V)	2500mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.S.		
<b>Dynamic Mode</b>				
CCD/CRD	T1&T2(Pro.)	0.02ms~300s		
	T1&T2(Adv.)	0.05ms~300s		
	Resolution	1μs		
	Accuracy	1μs+100ppm		
	Slew Rate(Pro.)	0.4mA/μs~1.64A/μs	2mA/μs~8.2A/μs	4mA/μs~16.4A/μs
	Slew Rate(Adv.)	0.4mA/μs~0.41A/μs	2mA/μs~2.05A/μs	4mA/μs~4.1A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.4mA/μs	2mA/μs	4mA/μs
	Accuracy	5%±10us		
<b>Measurement</b>				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~41A	0~205A	0~410A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~560W	0~2800W	0~5600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
<b>Protection</b>				
OVP	81.6V	153V	612V	
OCP	41.82A	209.1A	418.2A	
OPP	571.2W	2856W	5712W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Protection	Yes			
Alarm Tone	Yes			
<b>Mechanical</b>				
Dimensions(WxHxD)	423x133x610mm			
Package Dimensions(WxHxD)	665x348x918mm			
Unit Net Weight	32.5kg			
Net Weight	41.3kg			
<b>AC Input</b>				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

600V Series System Specifications			
<b>Non Linear Mode</b>			
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	
<b>Battery Discharge Mode</b>			
Battery Voltage	As CV Mode		
Current Resolution	As CC Mode		
Record	AH/WH		
Test Time	1s~100000s		
Time Resolution	1s		
<b>Program Mode</b>			
Step No.	300 Max.		
Dwell	0.1ms~4000s		
Spec Check	Voltage/Current/Power		
<b>External Waveform Control/Monitor</b>			
Control/Monitor	Voltage/Current		
Input/Output 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		
<b>Short Circuit</b>			
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		
<b>Master/Slave</b>			
Parallel Interface	RJ45		
Parallel Quantity (Pro.)	20 units		
Parallel Quantity (Adv.)	10 units		
<b>General</b>			
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)		
<b>Environmental</b>			
Operating Temperature	0~40°C		
Storage Temperature	-20~80°C		
Temperature Coefficient	100ppm/°C(Typical)		
Relative Humidity	10~90%RH		
Altitude	≤2000m		
<b>Regulatory Compliance</b>			
Overvoltage Category	II		
Protection Degree	I		
Pollution Degree	II		
Input Impedance	1MΩ(Typical)		
Isolation Voltage	/		
Certificates	CE		

All specifications are subject to change without notice.