

High Power DC Electronic Load

» Product specification sheet



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High Power DC Electronic Load

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High Power DC Electronic 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% I.F.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	17.6V	88V	220V	
OCP	37.74A	188.7A	377.4A	
OPP	350.2W	1751W	3502W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	27kg			
Shipping Weight	36kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

High Power DC Electronic Load

MODEL		EL200VDC4400W		
Rated	Voltage	0~200V		
	Current	0~480A		
	Power	0~4400W		
	Min. Operating Voltage	0.18V@48A	0.9V@240A	1.8V@480A
Static Mode				
Constant Current Mode	Range	0~48A	0~240A	0~480A
	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	0~440W	0~2200W	0~4400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	7.5mΩ~75Ω(16V)	30mΩ~300Ω(80V)	750mΩ~1500Ω(200V)
	Resolution	7.5mΩ(16V)	30mΩ(80V)	750mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~4.8A/μs	2mA/μs~16.8A/μs	5mA/μs~33.6A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.48A/μs	2mA/μs~2.4A/μs	5mA/μs~4.8A/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	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~48A	0~240A	0~480A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~440W	0~2200W	0~4400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	48.96A	244.8A	489.6A	
OPP	453.2W	2266W	4532W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	28.5kg			
Shipping Weight	37.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

High Power DC Electronic Load

MODEL		EL200VDC5600W		
Rated	Voltage	0~200V		
	Current	0~610A		
	Power	0~5600W		
	Min. Operating Voltage	0.18V@61A	0.9V@305A	1.8V@610A
Static Mode				
Constant Current Mode	Range	0~61A	0~305A	0~610A
	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	0~560W	0~2800W	0~5600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	7.5mΩ~75Ω(16V)	30mΩ~300Ω(80V)	750mΩ~1500Ω(200V)
	Resolution	7.5mΩ(16V)	30mΩ(80V)	750mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~6.1A/μs	2mA/μs~21.35A/μs	5mA/μs~42.7A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.61A/μs	2mA/μs~3.05A/μs	5mA/μs~6.1A/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	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~61A	0~305A	0~610A
	Resolution	0.5mA	2mA	5mA
	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			
Protection				
OVP	17.6V	88V	220V	
OCP	62.22A	311.1A	622.2A	
OPP	576.8W	2884W	5768W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	32.5kg			
Shipping Weight	41.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

High Power DC Electronic Load

MODEL		EL200VDC6600W		
Rated	Voltage	0~200V		
	Current	0~720A		
	Power	0~6600W		
	Min. Operating Voltage	0.18V@72A	0.9V@360A	1.8V@720A
Static Mode				
Constant Current Mode	Range	0~72A	0~360A	0~720A
	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	0~660W	0~3300W	0~6600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	5mΩ~50Ω(16V)	20mΩ~200Ω(80V)	500mΩ~1000Ω(200V)
	Resolution	5mΩ(16V)	20mΩ(80V)	500mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~7.2A/μs	2mA/μs~25.2A/μs	5mA/μs~50.4A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.72A/μs	2mA/μs~3.6A/μs	5mA/μs~7.2A/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	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~72A	0~360A	0~720A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~660W	0~3300W	0~6600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	73.44A	367.2A	734.4A	
OPP	679.8W	3399W	6798W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x177.0x610.0mm			
Package Dimensions(WxHxD)	665.0x392.0x918.0mm			
Unit Weight	38kg			
Shipping Weight	47kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	250VA			
Fuse	3.15A			

High Power DC Electronic Load

MODEL		EL200VDC8800W		
Rated	Voltage	0~200V		
	Current	0~960A		
	Power	0~8800W		
	Min. Operating Voltage	0.18V@96A	0.9V@480A	1.8V@960A
Static Mode				
Constant Current Mode	Range	0~96A	0~480A	0~960A
	Resolution	1mA	5mA	10mA
	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	0~880W	0~4400W	0~8800W
	Resolution	20mW	100mW	200mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	4mΩ~40Ω(16V)	15mΩ~150Ω(80V)	375mΩ~750Ω(200V)
	Resolution	4mΩ(16V)	15mΩ(80V)	375mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~9.6A/μs	2mA/μs~28.8A/μs	5mA/μs~57.6A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.96A/μs	2mA/μs~4.8A/μs	5mA/μs~9.6A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~96A	0~480A	0~960A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~880W	0~4400W	0~8800W
	Resolution	20mW	100mW	200mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	97.92A	489.6A	979.2A	
OPP	906.4W	4532W	9064W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	61.5kg			
Shipping Weight	81.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL200VDC11000W		
Rated	Voltage	0~200V		
	Current	0~1200A		
	Power	0~11000W		
	Min. Operating Voltage	0.18V@120A	0.9V@600A	1.8V@1200A
Static Mode				
Constant Current Mode	Range	0~120A	0~600A	0~1200A
	Resolution	1mA	5mA	10mA
	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	0~1100W	0~5500W	0~11000W
	Resolution	20mW	100mW	200mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	3mΩ~30Ω(16V)	12mΩ~120Ω(80V)	300mΩ~600Ω(200V)
	Resolution	3mΩ(16V)	12mΩ(80V)	300mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~12A/μs	5mA/μs~30A/μs	10mA/μs~60A/μs
	Slew Rate(Adv.)	1mA/μs~1.2A/μs	5mA/μs~6A/μs	10mA/μs~12A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~120A	0~600A	0~1200A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1100W	0~5500W	0~11000W
	Resolution	20mW	100mW	200mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	122.4A	612A	1224A	
OPP	1133W	5665W	11330W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	67kg			
Shipping Weight	87kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL200VDC13200W		
Rated	Voltage	0~200V		
	Current	0~1440A		
	Power	0~13200W		
	Min. Operating Voltage	0.18V@144A	0.9V@720A	1.8V@1440A
Static Mode				
Constant Current Mode	Range	0~144A	0~720A	0~1440A
	Resolution	1mA	5mA	8mA
	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	0~1320W	0~6600W	0~13200W
	Resolution	40mW	200mW	400mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	2.5mΩ~25Ω(16V)	10mΩ~100Ω(80V)	250mΩ~500Ω(200V)
	Resolution	2.5mΩ(16V)	10mΩ(80V)	250mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~14.4A/μs	5mA/μs~32.4A/μs	10mA/μs~64.8A/μs
	Slew Rate(Adv.)	1mA/μs~1.44A/μs	5mA/μs~7.2A/μs	10mA/μs~14.4A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~144A	0~720A	0~1440A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1320W	0~6600W	0~13200W
	Resolution	40mW	200mW	400mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	146.88A	734.4A	1468.8A	
OPP	1359.6W	6798W	13596W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	72.5kg			
Shipping Weight	92.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL200VDC15400W		
Rated	Voltage	0~200V		
	Current	0~1680A		
	Power	0~15400W		
	Min. Operating Voltage	0.18V@168A	0.9V@840A	1.8V@1680A
Static Mode				
Constant Current Mode	Range	0~168A	0~840A	0~1680A
	Resolution	2mA	10mA	20mA
	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	0~1540W	0~7700W	0~15400W
	Resolution	40mW	200mW	400mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	2.5mΩ~25Ω(16V)	10mΩ~100Ω(80V)	250mΩ~500Ω(200V)
	Resolution	2.5mΩ(16V)	10mΩ(80V)	250mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~16.8A/μs	10mA/μs~33.6A/μs	20mA/μs~67.2A/μs
	Slew Rate(Adv.)	2mA/μs~1.68A/μs	10mA/μs~8.4A/μs	20mA/μs~16.8A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~168A	0~840A	0~1680A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1540W	0~7700W	0~15400W
	Resolution	40mW	200mW	400mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	171.36A	856.8A	1713.6A	
OPP	1586.2W	7931W	15862W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	94.5kg			
Shipping Weight	116.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	10A			

High Power DC Electronic Load

MODEL		EL200VDC17600W		
Rated	Voltage	0~200V		
	Current	0~1920A		
	Power	0~17600W		
	Min. Operating Voltage	0.18V@192A	0.9V@960A	1.8V@1920A
Static Mode				
Constant Current Mode	Range	0~192A	0~960A	0~1920A
	Resolution	2mA	10mA	20mA
	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	0~1760W	0~8800W	0~17600W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	2mΩ~20Ω(16V)	7.5mΩ~75Ω(80V)	200mΩ~400Ω(200V)
	Resolution	2mΩ(16V)	7.5mΩ(80V)	200mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~19.2A/μs	10mA/μs~38.4A/μs	20mA/μs~76.8A/μs
	Slew Rate(Adv.)	2mA/μs~1.92A/μs	10mA/μs~9.6A/μs	20mA/μs~19.2A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~192A	0~960A	0~1920A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1760W	0~8800W	0~17600W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	195.84A	979.2A	1958.4A	
OPP	1812.8W	9064W	18128W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	100kg			
Shipping Weight	122kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL200VDC19800W		
Rated	Voltage	0~200V		
	Current	0~2160A		
	Power	0~19800W		
	Min. Operating Voltage	0.18V@216A	0.9V@1080A	1.8V@2160A
Static Mode				
Constant Current Mode	Range	0~216A	0~1080A	0~2160A
	Resolution	2mA	10mA	20mA
	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	0~1980W	0~9900W	0~19800W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	1.7mΩ~16.7Ω(16V)	6.7mΩ~66.7Ω(80V)	166.7mΩ~333Ω(200V)
	Resolution	1.7mΩ(16V)	6.7mΩ(80V)	166.7mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~21.6A/μs	10mA/μs~43.2A/μs	20mA/μs~86.4A/μs
	Slew Rate(Adv.)	2mA/μs~2.16A/μs	10mA/μs~10.8A/μs	20mA/μs~21.6A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~216A	0~1080A	0~2160A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1980W	0~9900W	0~19800W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	220.32A	1101.6A	2203.2A	
OPP	2039.4W	10197W	20394W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	105.5kg			
Shipping Weight	127.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL200VDC22000W		
Rated	Voltage	0~200V		
	Current	0~2400A		
	Power	0~22000W		
	Min. Operating Voltage	0.18V@240A	0.9V@1200A	1.8V@2400A
Static Mode				
Constant Current Mode	Range	0~240A	0~1200A	0~2400A
	Resolution	4mA	20mA	40mA
	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	0~2200W	0~11000W	0~22000W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	1.5mΩ~15Ω(16V)	6mΩ~60Ω(80V)	150mΩ~300Ω(200V)
	Resolution	1.5mΩ(16V)	6mΩ(80V)	150mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	4mA/μs~24A/μs	20mA/μs~48A/μs	40mA/μs~96A/μs
	Slew Rate(Adv.)	4mA/μs~2.4A/μs	20mA/μs~12A/μs	40mA/μs~24A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	4mA/μs	20mA/μs	40mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~240A	0~1200A	0~2400A
	Resolution	4mA	20mA	40mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~2200W	0~11000W	0~22000W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	244.8A	1224A	2448A	
OPP	2266W	11330W	22660W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	129kg			
Shipping Weight	153kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

High Power DC Electronic Load

MODEL		EL200VDC24200W		
Rated	Voltage	0~200V		
	Current	0~2640A		
	Power	0~24200W		
	Min. Operating Voltage	0.18V@264A	0.9V@1320A	1.8V@2064A
Static Mode				
Constant Current Mode	Range	0~264A	0~1320A	0~2640A
	Resolution	4mA	20mA	40mA
	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	0~2420W	0~12100W	0~24200W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	1.5mΩ~15Ω(16V)	6mΩ~60Ω(80V)	150mΩ~300Ω(200V)
	Resolution	1.5mΩ(16V)	6mΩ(80V)	150mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	4mA/μs~26.4A/μs	20mA/μs~52.8A/μs	40mA/μs~105.6A/μs
	Slew Rate(Adv.)	4mA/μs~2.64A/μs	20mA/μs~13.2A/μs	40mA/μs~26.4A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	4mA/μs	20mA/μs	40mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~264A	0~1320A	0~2640A
	Resolution	4mA	20mA	40mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~2420W	0~12100W	0~24200W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	269.28A	1346.4A	2692.8A	
OPP	2492.6W	12463W	24926W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%VF.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	134.5kg			
Shipping Weight	158.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

High Power DC Electronic Load

MODEL		EL200VDC26400W		
Rated	Voltage	0~200V		
	Current	0~2880A		
	Power	0~26400W		
	Min. Operating Voltage	0.18V@288A	0.9V@1440A	1.8V@2880A
Static Mode				
Constant Current Mode	Range	0~288A	0~1440A	0~2880A
	Resolution	4mA	20mA	40mA
	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	0~2640W	0~13200W	0~26400W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	1.3mΩ~12.5Ω(16V)	5mΩ~50Ω(80V)	125mΩ~250Ω(200V)
	Resolution	1.3mΩ(16V)	5mΩ(80V)	125mΩ(200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	4mA/μs~28.8A/μs	20mA/μs~57.6A/μs	40mA/μs~115.2A/μs
	Slew Rate(Adv.)	4mA/μs~2.88A/μs	20mA/μs~14.4A/μs	40mA/μs~28.8A/μs
	Min. Rise Time(Pro.)	10μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	4mA/μs	20mA/μs	40mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~16V	0~80V	0~200V
	Resolution	0.1mV	0.5mV	2mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~288A	0~1440A	0~2880A
	Resolution	4mA	20mA	40mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~2640W	0~13200W	0~26400W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	17.6V	88V	220V	
OCP	293.76A	1468.8A	2937.6A	
OPP	2719.2W	13596W	27192W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	140kg			
Shipping Weight	164kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

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/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		
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, USB port for transfer and upgrading firmware		
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.

High Power DC Electronic Load

MODEL		EL600VDC3400W		
Rated	Voltage	0~600V		
	Current	0~250A		
	Power	0~3400W		
	Min. Operating Voltage	0.8V@25A	4V@125A	8V@250A
Static Mode				
Constant Current Mode	Range	0~25A	0~125A	0~250A
	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	0~340W	0~1700W	0~3400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	100mΩ~1000Ω(80V)	400mΩ~4000Ω(150V)	4000mΩ~8000Ω(600V)
	Resolution	100mΩ(80V)	400mΩ(150V)	4000mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.4mA/μs~1A/μs	2mA/μs~5A/μs	4mA/μs~10A/μs
	Slew Rate(Adv.)	0.4mA/μs~0.25A/μs	2mA/μs~1.25A/μs	4mA/μs~2.5A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.4mA/μs	2mA/μs	4mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~25A	0~125A	0~250A
	Resolution	0.4mA	2mA	4mA
	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	88V	165V	660V	
OCP	25.5A	127.5A	255A	
OPP	350.2W	1751W	3502W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	27kg			
Shipping Weight	36kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

MODEL		EL600VDC4400W		
Rated	Voltage	0~600V		
	Current	0~320A		
	Power	0~4400W		
	Min. Operating Voltage	0.8V@32A	4V@160A	8V@320A
Static Mode				
Constant Current Mode	Range	0~32A	0~160A	0~320A
	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	0~440W	0~2200W	0~4400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	75mΩ~750Ω(80V)	300mΩ~3000Ω(150V)	3000mΩ~6000Ω(600V)
	Resolution	75mΩ(80V)	300mΩ(150V)	3000mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.4mA/μs~1.28A/μs	2mA/μs~6.4A/μs	4mA/μs~12.8A/μs
	Slew Rate(Adv.)	0.4mA/μs~0.32A/μs	2mA/μs~1.6A/μs	4mA/μs~3.2A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.4mA/μs	2mA/μs	4mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~32A	0~160A	0~320A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~440W	0~2200W	0~4400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	32.6A	163.2A	326.4A	
OPP	453.2W	2266W	4532W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	28.5kg			
Shipping Weight	37.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

High Power DC Electronic Load

MODEL		EL600VDC5600W		
Rated	Voltage	0~600V		
	Current	0~410A		
	Power	0~5600W		
	Min. Operating Voltage	0.8V@41A	4V@205A	8V@410A
Static Mode				
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.		
Dynamic Mode				
CCD/CRD	T1&T2(Pro.)	0.02ms~300s		
	T1&T2(Adv.)	0.05ms~300s		
	Resolution	1μs		
	Accuracy	1μs+100ppm		
	Slew Rate(Pro.)	0.4mA/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		
Measurement				
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			
Protection				
OVP	88V	165V	660V	
OCP	41.82A	209.1A	418.2A	
OPP	576.8W	2884W	5768W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	32.5kg			
Shipping Weight	41.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

MODEL		EL600VDC6600W		
Rated	Voltage	0~600V		
	Current	0~480A		
	Power	0~6600W		
	Min. Operating Voltage	0.8V@48A	4V@240A	8V@480A
Static Mode				
Constant Current Mode	Range	0~48A	0~240A	0~480A
	Resolution	0.5mA	2mA	5mA
	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	0~660W	0~3300W	0~6600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	50mΩ~500Ω(80V)	200mΩ~2000Ω(150V)	2000mΩ~4000Ω(600V)
	Resolution	50mΩ(80V)	200mΩ(150V)	2000mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~1.92A/μs	2mA/μs~9.6A/μs	5mA/μs~19.2A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.48A/μs	2mA/μs~2.4A/μs	5mA/μs~4.8A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.5mA/μs	2mA/μs	5mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~48A	0~240A	0~480A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~660W	0~3300W	0~6600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	48.96A	244.8A	489.6A	
OPP	679.8W	3399W	6798W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x177.0x610.0mm			
Package Dimensions(WxHxD)	665.0x392.0x918.0mm			
Unit Weight	38kg			
Shipping Weight	47kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	250VA			
Fuse	3.15A			

High Power DC Electronic Load

MODEL		EL600VDC8800W		
Rated	Voltage	0~600V		
	Current	0~640A		
	Power	0~8800W		
	Min. Operating Voltage	0.8V@64A	4V@320A	8V@640A
Static Mode				
Constant Current Mode	Range	0~64A	0~320A	0~640A
	Resolution	0.5mA	2mA	5mA
	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	0~880W	0~4400W	0~8800W
	Resolution	20mW	100mW	200mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	37.5mΩ~375Ω(80V)	150mΩ~1500Ω(150V)	1500mΩ~3000Ω(600V)
	Resolution	37.5mΩ(80V)	150mΩ(150V)	1500mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~2.56A/μs	2mA/μs~12.8A/μs	5mA/μs~25.6A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.64A/μs	2mA/μs~3.2A/μs	5mA/μs~6.4A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.5mA/μs	2mA/μs	5mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~64A	0~320A	0~640A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~880W	0~4400W	0~8800W
	Resolution	20mW	100mW	200mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	65.28A	326.4A	652.8A	
OPP	906.4W	4532W	9064W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	61.5kg			
Shipping Weight	81.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL600VDC11000W		
Rated	Voltage	0~600V		
	Current	0~800A		
	Power	0~11000W		
	Min. Operating Voltage	0.8V@80A	4V@400A	8V@800A
Static Mode				
Constant Current Mode	Range	0~80A	0~400A	0~800A
	Resolution	1mA	5mA	10mA
	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	0~1100W	0~5500W	0~11000W
	Resolution	20mW	100mW	200mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	30mΩ~300Ω(80V)	120mΩ~1200Ω(150V)	1200mΩ~2400Ω(600V)
	Resolution	30mΩ(80V)	120mΩ(150V)	1200mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~3.2A/μs	5mA/μs~16A/μs	10mA/μs~32A/μs
	Slew Rate(Adv.)	1mA/μs~0.8A/μs	5mA/μs~4A/μs	10mA/μs~8A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~80A	0~400A	0~800A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1100W	0~5500W	0~11000W
	Resolution	20mW	100mW	200mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	81.6A	408A	816A	
OPP	1133W	5665W	11330W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	67kg			
Shipping Weight	87kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL600VDC13200W		
Rated	Voltage	0~600V		
	Current	0~960A		
	Power	0~13200W		
	Min. Operating Voltage	0.8V@96A	4V@480A	8V@960A
Static Mode				
Constant Current Mode	Range	0~96A	0~480A	0~960A
	Resolution	1mA	5mA	10mA
	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	0~1320W	0~6600W	0~13200W
	Resolution	40mW	200mW	400mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	25mΩ~250Ω(80V)	100mΩ~1000Ω(150V)	1000mΩ~2000Ω(600V)
	Resolution	25mΩ(80V)	100mΩ(150V)	1000mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~3.84A/μs	5mA/μs~19.2A/μs	10mA/μs~38.4A/μs
	Slew Rate(Adv.)	1mA/μs~0.96A/μs	5mA/μs~4.8A/μs	10mA/μs~9.6A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~96A	0~480A	0~960A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1320W	0~6600W	0~13200W
	Resolution	40mW	200mW	400mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	97.92A	489.6A	979.2A	
OPP	1359.6W	6798W	13596W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%VF.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	72.5kg			
Shipping Weight	92.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL600VDC15400W		
Rated	Voltage	0~600V		
	Current	0~1120A		
	Power	0~15400W		
	Min. Operating Voltage	0.8V@112A	4V@560A	8V@1120A
Static Mode				
Constant Current Mode	Range	0~112A	0~560A	0~1120A
	Resolution	1mA	5mA	10mA
	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	0~1540W	0~7700W	0~15400W
	Resolution	40mW	200mW	400mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	21mΩ~210Ω(80V)	85mΩ~850Ω(150V)	850mΩ~1700Ω(600V)
	Resolution	21mΩ(80V)	85mΩ(150V)	850mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~4.48A/μs	5mA/μs~22.4A/μs	10mA/μs~44.8A/μs
	Slew Rate(Adv.)	1mA/μs~1.12A/μs	5mA/μs~5.6A/μs	10mA/μs~11.2A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~112A	0~560A	0~1120A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1540W	0~7700W	0~15400W
	Resolution	40mW	200mW	400mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	114.24A	571.2A	1142.4A	
OPP	1586.2W	7931W	15862W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	94.5kg			
Shipping Weight	116.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL600VDC17600W		
Rated	Voltage	0~600V		
	Current	0~1280A		
	Power	0~17600W		
	Min. Operating Voltage	0.8V@128A	4V@640A	8V@1280A
Static Mode				
Constant Current Mode	Range	0~128A	0~640A	0~1280A
	Resolution	1mA	5mA	10mA
	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	0~1760W	0~8800W	0~17600W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	18.7mΩ~187Ω(80V)	75mΩ~750Ω(150V)	750mΩ~1500Ω(600V)
	Resolution	18.7mΩ(80V)	75mΩ(150V)	750mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~5.12A/μs	5mA/μs~25.6A/μs	10mA/μs~51.2A/μs
	Slew Rate(Adv.)	1mA/μs~1.28A/μs	5mA/μs~6.4A/μs	10mA/μs~12.8A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~128A	0~640A	0~1280A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1760W	0~8800W	0~17600W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	130.56A	652.8A	1305.6A	
OPP	1812.8W	9064W	18128W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	100kg			
Shipping Weight	122kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL600VDC19800W		
Rated	Voltage	0~600V		
	Current	0~1440A		
	Power	0~19800W		
	Min. Operating Voltage	0.8V@144A	4V@720A	8V@1440A
Static Mode				
Constant Current Mode	Range	0~144A	0~720A	0~1440A
	Resolution	2mA	10mA	20mA
	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	0~1980W	0~9900W	0~19800W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	16.7mΩ~166.7Ω(80V)	66.7mΩ~666.7Ω(150V)	666.7mΩ~1333Ω(600V)
	Resolution	16.7mΩ(80V)	66.7mΩ(150V)	666.7mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~5.76A/μs	10mA/μs~28.8A/μs	20mA/μs~57.6A/μs
	Slew Rate(Adv.)	2mA/μs~1.44A/μs	10mA/μs~7.2A/μs	20mA/μs~14.4A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~144A	0~720A	0~1440A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~1980W	0~9900W	0~19800W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	146.88A	734.4A	1468.8A	
OPP	2039.4W	10197W	20394W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	105.5kg			
Shipping Weight	127.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL600VDC22000W		
Rated	Voltage	0~600V		
	Current	0~1600A		
	Power	0~22000W		
	Min. Operating Voltage	0.8V@160A	4V@800A	8V@1600A
Static Mode				
Constant Current Mode	Range	0~160A	0~800A	0~1600A
	Resolution	2mA	10mA	20mA
	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	0~2200W	0~11000W	0~22000W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	15mΩ~150Ω(80V)	60mΩ~600Ω(150V)	600mΩ~1200Ω(600V)
	Resolution	15mΩ(80V)	60mΩ(150V)	600mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~6.4A/μs	10mA/μs~32A/μs	20mA/μs~64A/μs
	Slew Rate(Adv.)	2mA/μs~1.6A/μs	10mA/μs~8A/μs	20mA/μs~16A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~160A	0~800A	0~1600A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~2200W	0~11000W	0~22000W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	163.2A	816A	1632A	
OPP	2266W	11330W	22660W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	129kg			
Shipping Weight	153kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

MODEL		EL600VDC24200W		
Rated	Voltage	0~600V		
	Current	0~1760A		
	Power	0~24200W		
	Min. Operating Voltage	0.8V@176A	4V@880A	8V@1760A
Static Mode				
Constant Current Mode	Range	0~176A	0~880A	0~1760A
	Resolution	2mA	10mA	20mA
	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	0~2420W	0~12100W	0~24200W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	13.6mΩ~136Ω(80V)	55mΩ~550Ω(150V)	550mΩ~1100Ω(600V)
	Resolution	13.6mΩ(80V)	55mΩ(150V)	550mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~7.04A/μs	10mA/μs~35.2A/μs	20mA/μs~70.4A/μs
	Slew Rate(Adv.)	2mA/μs~1.76A/μs	10mA/μs~8.8A/μs	20mA/μs~17.6A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~176A	0~880A	0~1760A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~2420W	0~12100W	0~24200W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	179.52A	897.6A	1795.2A	
OPP	2492.6W	12463W	24926W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	134.5kg			
Shipping Weight	158.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

High Power DC Electronic Load

MODEL		EL600VDC26400W		
Rated	Voltage	0~600V		
	Current	0~1920A		
	Power	0~26400W		
	Min. Operating Voltage	0.8V@192A	4V@960A	8V@1920A
Static Mode				
Constant Current Mode	Range	0~192A	0~960A	0~1920A
	Resolution	2mA	10mA	20mA
	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	0~2640W	0~13200W	0~26400W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	12.5mΩ~125Ω(80V)	50mΩ~500Ω(150V)	500mΩ~1000Ω(600V)
	Resolution	12.5mΩ(80V)	50mΩ(150V)	500mΩ(600V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	2mA/μs~7.68A/μs	10mA/μs~38.4A/μs	20mA/μs~76.8A/μs
	Slew Rate(Adv.)	2mA/μs~1.92A/μs	10mA/μs~9.6A/μs	20mA/μs~19.2A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	2mA/μs	10mA/μs	20mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~80V	0~150V	0~600V
	Resolution	0.5mV	1mV	5mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~192A	0~960A	0~1920A
	Resolution	2mA	10mA	20mA
	Accuracy	0.04%+0.04%F.S.		
Power	Range	0~2640W	0~13200W	0~26400W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	88V	165V	660V	
OCP	195.84A	979.2A	1958.4A	
OPP	2719.2W	13596W	27192W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	140kg			
Shipping Weight	164kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

600V 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/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		
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, USB port for transfer and upgrading firmware		
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	1MΩ(Typical)		
Isolation Voltage	/		
Certificates	CE		

All specifications are subject to change without notice.

High Power DC Electronic Load

MODEL		EL1200VDC3400W		
Rated	Voltage	0~1200V		
	Current	0~125A		
	Power	0~3400W		
	Min. Operating Voltage	2V@12.5A	10V@62.5A	20V@125A
Static Mode				
Constant Current Mode	Range	0~12.5A	0~62.5A	0~125A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	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	100mΩ~1000Ω(150V)	400mΩ~4000Ω(600V)	4000mΩ~8000Ω(1200V)
	Resolution	100mΩ(150V)	400mΩ(600V)	4000mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.2mA/μs~0.625A/μs	1mA/μs~3.125A/μs	2mA/μs~6.25A/μs
	Slew Rate(Adv.)	0.2mA/μs~0.125A/μs	1mA/μs~0.625A/μs	2mA/μs~1.25A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.2mA/μs	1mA/μs	2mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~12.5A	0~62.5A	0~125A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.04%+0.06%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	165V	660V	1320V	
OCP	12.75A	63.75A	127.5A	
OPP	350.2W	1751W	3502W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	27kg			
Shipping Weight	36kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

MODEL		EL1200VDC4400W		
Rated	Voltage	0~1200V		
	Current	0~160A		
	Power	0~4400W		
	Min. Operating Voltage	2V@16A	10V@80A	20V@160A
Static Mode				
Constant Current Mode	Range	0~16A	0~80A	0~160A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~440W	0~2200W	0~4400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	75mΩ~750Ω(150V)	300mΩ~3000Ω(600V)	3000mΩ~6000Ω(1200V)
	Resolution	75mΩ(150V)	300mΩ(600V)	3000mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.2mA/μs~0.8A/μs	1mA/μs~4A/μs	2mA/μs~8A/μs
	Slew Rate(Adv.)	0.2mA/μs~0.16A/μs	1mA/μs~0.8A/μs	2mA/μs~1.6A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.2mA/μs	1mA/μs	2mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~16A	0~80A	0~160A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~440W	0~2200W	0~4400W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	16.32A	81.6A	163.2A	
OPP	453.2W	2266W	4532W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	28.5kg			
Shipping Weight	37.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

High Power DC Electronic Load

MODEL		EL1200VDC5600W		
Rated	Voltage	0~1200V		
	Current	0~210A		
	Power	0~5600W		
	Min. Operating Voltage	2V@21A	10V@105A	20V@210A
Static Mode				
Constant Current Mode	Range	0~21A	0~105A	0~210A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	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(150V)	235mΩ~2300Ω(600V)	2350mΩ~4700Ω(1200V)
	Resolution	60mΩ(150V)	235mΩ(600V)	2350mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.2mA/μs~1.05A/μs	1mA/μs~5.25A/μs	2mA/μs~10.5A/μs
	Slew Rate(Adv.)	0.2mA/μs~0.21A/μs	1mA/μs~1.05A/μs	2mA/μs~2.1A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.2mA/μs	1mA/μs	2mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~21A	0~105A	0~210A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~560W	0~2800W	0~5600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	21.42A	107.1A	214.2A	
OPP	576.8W	2884W	5768W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x133.0x610.0mm			
Package Dimensions(WxHxD)	665.0x348.0x918.0mm			
Unit Weight	32.5kg			
Shipping Weight	41.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	200VA			
Fuse	2.5A			

High Power DC Electronic Load

MODEL		EL1200VDC6600W		
Rated	Voltage	0~1200V		
	Current	0~240A		
	Power	0~6600W		
	Min. Operating Voltage	2V@24A	10V@120A	20V@240A
Static Mode				
Constant Current Mode	Range	0~24A	0~120A	0~240A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~660W	0~3300W	0~6600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	50mΩ~500Ω(150V)	200mΩ~2000Ω(600V)	2000mΩ~4000Ω(1200V)
	Resolution	50mΩ(150V)	200mΩ(600V)	2000mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.2mA/μs~1.2A/μs	1mA/μs~6A/μs	2mA/μs~12A/μs
	Slew Rate(Adv.)	0.2mA/μs~0.24A/μs	1mA/μs~1.2A/μs	2mA/μs~2.4A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.2mA/μs	1mA/μs	2mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~24A	0~120A	0~240A
	Resolution	0.2mA	1mA	2mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~660W	0~3300W	0~6600W
	Resolution	10mW	50mW	100mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	24.48A	122.4A	244.8A	
OPP	679.8W	3399W	6798W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x177.0x610.0mm			
Package Dimensions(WxHxD)	665.0x392.0x918.0mm			
Unit Weight	38kg			
Shipping Weight	47kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	250VA			
Fuse	3.15A			

High Power DC Electronic Load

MODEL		EL1200VDC8800W		
Rated	Voltage	0~1200V		
	Current	0~320A		
	Power	0~8800W		
	Min. Operating Voltage	2V@32A	10V@160A	20V@320A
Static Mode				
Constant Current Mode	Range	0~32A	0~160A	0~320A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~880W	0~4400W	0~8800W
	Resolution	20mW	100mW	200mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	37.5mΩ~375Ω(150V)	150mΩ~1500Ω(600V)	1500mΩ~3000Ω(1200V)
	Resolution	37.5mΩ(150V)	150mΩ(600V)	1500mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.4mA/μs~1.28A/μs	2mA/μs~6.4A/μs	4mA/μs~12.8A/μs
	Slew Rate(Adv.)	0.4mA/μs~0.32A/μs	2mA/μs~1.6A/μs	4mA/μs~3.2A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.4mA/μs	2mA/μs	4mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~32A	0~160A	0~320A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~880W	0~4400W	0~8800W
	Resolution	20mW	100mW	200mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	32.64A	163.2A	326.4A	
OPP	906.4W	4532W	9064W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	61.5kg			
Shipping Weight	81.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

MODEL		EL1200VDC11000W		
Rated	Voltage	0~1200V		
	Current	0~400A		
	Power	0~11000W		
	Min. Operating Voltage	2V@40A	10V@200A	20V@400A
Static Mode				
Constant Current Mode	Range	0~40A	0~200A	0~400A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~1100W	0~5500W	0~11000W
	Resolution	20mW	100mW	200mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	30mΩ~300Ω(150V)	120mΩ~1200Ω(600V)	1200mΩ~2400Ω(1200V)
	Resolution	30mΩ(150V)	120mΩ(600V)	1200mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.4mA/μs~1.6A/μs	2mA/μs~8A/μs	4mA/μs~16A/μs
	Slew Rate(Adv.)	0.4mA/μs~0.4A/μs	2mA/μs~2A/μs	4mA/μs~4A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.4mA/μs	2mA/μs	4mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~40A	0~200A	0~400A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~1100W	0~5500W	0~11000W
	Resolution	20mW	100mW	200mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	40.8A	204A	408A	
OPP	1133W	5665W	11330W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	67kg			
Shipping Weight	87kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL1200VDC13200W		
Rated	Voltage	0~1200V		
	Current	0~480A		
	Power	0~13200W		
	Min. Operating Voltage	2V@48A	10V@240A	20V@480A
Static Mode				
Constant Current Mode	Range	0~48A	0~240A	0~480A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~1320W	0~6600W	0~13200W
	Resolution	40mW	200mW	400mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	25mΩ~250Ω(150V)	100mΩ~1000Ω(600V)	1000mΩ~2000Ω(1200V)
	Resolution	25mΩ(150V)	100mΩ(600V)	1000mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	0.4mA/μs~1.6A/μs	2mA/μs~8A/μs	4mA/μs~16A/μs
	Slew Rate(Adv.)	0.4mA/μs~0.48A/μs	2mA/μs~2.4A/μs	4mA/μs~4.8A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.4mA/μs	2mA/μs	4mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~48A	0~240A	0~480A
	Resolution	0.4mA	2mA	4mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~1320W	0~6600W	0~13200W
	Resolution	40mW	200mW	400mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	48.96A	244.8A	489.6A	
OPP	1359.6W	6798W	13596W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x311.0x670.0mm			
Package Dimensions(WxHxD)	541.0x591.0x891.0mm			
Unit Weight	72.5kg			
Shipping Weight	92.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	450VA			
Fuse	5A			

High Power DC Electronic Load

MODEL		EL1200VDC15400W		
Rated	Voltage	0~1200V		
	Current	0~560A		
	Power	0~15400W		
	Min. Operating Voltage	2V@56A	10V@280A	20V@560A
Static Mode				
Constant Current Mode	Range	0~56A	0~280A	0~560A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~1540W	0~7700W	0~15400W
	Resolution	40mW	200mW	400mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	21mΩ~210Ω(150V)	85mΩ~850Ω(600V)	850mΩ~1700Ω(1200V)
	Resolution	21mΩ(150V)	85mΩ(600V)	850mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~1.87A/μs	2mA/μs~9.3A/μs	5mA/μs~18.7A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.56A/μs	2mA/μs~2.8A/μs	5mA/μs~5.6A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.5mA/μs	2mA/μs	5mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~56A	0~280A	0~560A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~1540W	0~7700W	0~15400W
	Resolution	40mW	200mW	400mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	57.12A	285.6A	571.2A	
OPP	1586.2W	7931W	15862W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	94.5kg			
Shipping Weight	116.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL1200VDC17600W		
Rated	Voltage	0~1200V		
	Current	0~640A		
	Power	0~17600W		
	Min. Operating Voltage	2V@64A	10V@320A	20V@640A
Static Mode				
Constant Current Mode	Range	0~64A	0~320A	0~640A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~1760W	0~8800W	0~17600W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	18.7mΩ~187Ω(150V)	75mΩ~750Ω(600V)	750mΩ~1500Ω(1200V)
	Resolution	18.7mΩ(150V)	75mΩ(600V)	750mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~2.1A/μs	2mA/μs~10.7A/μs	5mA/μs~21.3A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.64A/μs	2mA/μs~3.2A/μs	5mA/μs~6.4A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.5mA/μs	2mA/μs	5mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~64A	0~320A	0~640A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~1760W	0~8800W	0~17600W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	65.28A	326.4A	652.8A	
OPP	1812.8W	9064W	18128W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	100kg			
Shipping Weight	122kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

MODEL		EL1200VDC19800W		
Rated	Voltage	0~1200V		
	Current	0~720A		
	Power	0~19800W		
	Min. Operating Voltage	2V@72A	10V@360A	20V@720A
Static Mode				
Constant Current Mode	Range	0~72A	0~360A	0~720A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~1980W	0~9900W	0~19800W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	16.7mΩ~166.7Ω(150V)	66.7mΩ~666Ω(600V)	666.7mΩ~1333Ω(1200V)
	Resolution	16.7mΩ(150V)	66.7mΩ(600V)	666.7mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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~2.4A/μs	2mA/μs~12A/μs	5mA/μs~24A/μs
	Slew Rate(Adv.)	0.5mA/μs~0.72A/μs	2mA/μs~3.6A/μs	5mA/μs~7.2A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	0.5mA/μs	2mA/μs	5mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~72A	0~360A	0~720A
	Resolution	0.5mA	2mA	5mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~1980W	0~9900W	0~19800W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	73.44A	367.2A	734.4A	
OPP	2039.4W	10197W	20394W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x444.0x670.0mm			
Package Dimensions(WxHxD)	544.0x741.0x891.0mm			
Unit Weight	105.5kg			
Shipping Weight	127.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	700VA			
Fuse	8A			

High Power DC Electronic Load

MODEL		EL1200VDC22000W		
Rated	Voltage	0~1200V		
	Current	0~800A		
	Power	0~22000W		
	Min. Operating Voltage	2V@80A	10V@400A	20V@800A
Static Mode				
Constant Current Mode	Range	0~80A	0~400A	0~800A
	Resolution	1mA	5mA	10mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~2200W	0~11000W	0~22000W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	15mΩ~150Ω(150V)	60mΩ~600Ω(600V)	600mΩ~1200Ω(1200V)
	Resolution	15mΩ(150V)	60mΩ(600V)	600mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~2.7A/μs	5mA/μs~13.3A/μs	10mA/μs~26.7A/μs
	Slew Rate(Adv.)	1mA/μs~0.8A/μs	5mA/μs~4A/μs	10mA/μs~8A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~80A	0~400A	0~800A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~2200W	0~11000W	0~22000W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	81.6A	408A	816A	
OPP	2266W	11330W	22660W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	129kg			
Shipping Weight	153kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

High Power DC Electronic Load

MODEL		EL1200VDC24200W		
Rated	Voltage	0~1200V		
	Current	0~880A		
	Power	0~24200W		
	Min. Operating Voltage	2V@88A	10V@440A	20V@880A
Static Mode				
Constant Current Mode	Range	0~88A	0~440A	0~880A
	Resolution	1mA	5mA	10mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~2420W	0~12100W	0~24200W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	13.6mΩ~136Ω(150V)	55mΩ~550Ω(600V)	550mΩ~1100Ω(1200V)
	Resolution	13.6mΩ(150V)	55mΩ(600V)	550mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~2.93A/μs	5mA/μs~14.7A/μs	10mA/μs~29.3A/μs
	Slew Rate(Adv.)	1mA/μs~0.88A/μs	5mA/μs~4.4A/μs	10mA/μs~8.8A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~88A	0~440A	0~880A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~2420W	0~12100W	0~24200W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	89.76A	448.8A	897.6A	
OPP	2492.6W	12463W	24926W	
Over Temperature	70~75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	134.5kg			
Shipping Weight	158.5kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

High Power DC Electronic Load

MODEL		EL1200VDC26400W		
Rated	Voltage	0~1200V		
	Current	0~960A		
	Power	0~26400W		
	Min. Operating Voltage	2V@96A	10V@480A	20V@960A
Static Mode				
Constant Current Mode	Range	0~96A	0~480A	0~960A
	Resolution	1mA	5mA	10mA
	Accuracy	0.05%+0.05%F.S.		
Constant Voltage Mode	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.025%+0.025%F.S.		
Constant Power Mode	Range	0~2640W	0~13200W	0~26400W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.2%+0.2%F.S.		
Constant Resistance Mode	Range	12.5mΩ~125Ω(150V)	50mΩ~500Ω(600V)	500mΩ~1000Ω(1200V)
	Resolution	12.5mΩ(150V)	50mΩ(600V)	500mΩ(1200V)
	Accuracy	Vin/Rset*(0.2%)+0.2% I.F.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.)	1mA/μs~3.2A/μs	5mA/μs~16A/μs	10mA/μs~32A/μs
	Slew Rate(Adv.)	1mA/μs~0.96A/μs	5mA/μs~4.8A/μs	10mA/μs~9.6A/μs
	Min. Rise Time(Pro.)	20μs(Typical)		
	Min. Rise Time(Adv.)	50μs(Typical)		
	Resolution	1mA/μs	5mA/μs	10mA/μs
	Accuracy	5%±10us		
Measurement				
Voltage	Range	0~150V	0~600V	0~1200V
	Resolution	1mV	5mV	10mV
	Accuracy	0.015%+0.015%F.S.		
Current	Range	0~96A	0~480A	0~960A
	Resolution	1mA	5mA	10mA
	Accuracy	0.04%+0.06%F.S.		
Power	Range	0~2640W	0~13200W	0~26400W
	Resolution	100mW	500mW	1000mW
	Accuracy	0.1%+0.1%F.S.		
Sampling Frequency	500kHz			
Protection				
OVP	165V	660V	1320V	
OCP	97.92A	489.6A	979.2A	
OPP	2719.2W	13596W	27192W	
Over Temperature	70-75°C			
Overvoltage Safety Value	110%V.F.S.			
Reverse Alarm	Yes			
Alarm Tone	Yes			
Mechanical				
Dimensions(WxHxD)	423.0x577.0x670.0mm			
Package Dimensions(WxHxD)	541.0x861.0x891.0mm			
Unit Weight	140kg			
Shipping Weight	164kg			
AC Input				
Voltage	100~240Vac			
Frequency	50~60Hz			
Power	900VA			
Fuse	10A			

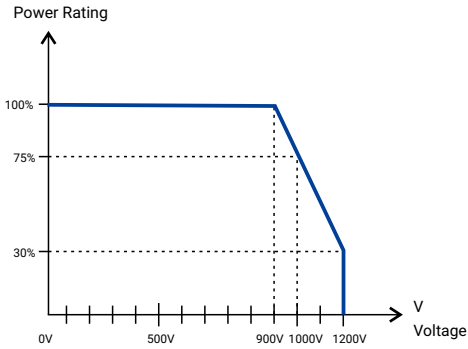
1200V Series System Specifications			
Non Linear Mode			
Range	CL	30uF~50000uF	
	RL	As CR Mode	
	Ls	0.1uH~16uH	
	Rs	30mΩ~20Ω	
Resolution	CL	1uF	
	RL	As CR Mode	
	Ls	0.1uH	
	Rs	1mΩ	
Battery Discharge Mode			
Battery Voltage	As CV Mode		
Current Resolution	As CC Mode		
Record	AH/WH		
Test Time	1s~100000s		
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/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		
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, USB port for transfer and upgrading firmware		
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	2MΩ(Typical)		
Isolation Voltage	/		
Certificates	CE		

All specifications are subject to change without notice.

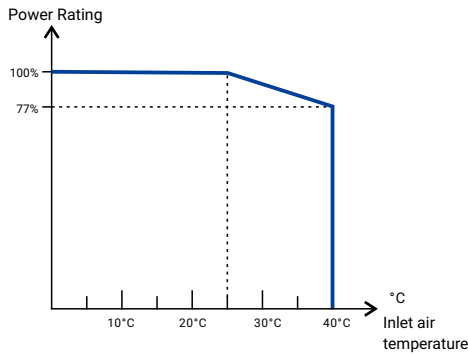
High Power DC Electronic Load

PS :

1. Min. operation voltage is applied for current high range.
2. F.S. in power accuracy formula equals to V range F.S. times I range F.S.
3. Minimum rise time is valid only for loading current > 5%F.S.
4. If the operating voltage exceeds the rated voltage for 1.1 times, it will cause permanent damage to the unit.
5. The over temperature protection sampling point is located in the vent.
6. The measured noise is 79dB which is tested under the condition of 40°C ambient temperature with full power for 5 minutes and 1 meter away from the rear panel.
7. The power rating specifications of 1200V models as below.



8. All the specifications are tested at temperature of 25°C, unless otherwise noted. See the diagram below for power derating.



9. Each model size indicated here does not include the wheel and the protective cover.

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