

High Power DC Electronic Load

» Product specification sheet



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High Power DC Electronic Load

Contents

EL200VDC3400W-----	01	EL1200VDC3400W-----	29
EL200VDC4400W-----	02	EL1200VDC4400W-----	30
EL200VDC5600W-----	03	EL1200VDC5600W-----	31
EL200VDC6600W-----	04	EL1200VDC6600W-----	32
EL200VDC8800W-----	05	EL1200VDC8800W-----	33
EL200VDC11000W-----	06	EL1200VDC11000W-----	34
EL200VDC13200W-----	07	EL1200VDC13200W-----	35
EL200VDC15400W-----	08	EL1200VDC15400W-----	36
EL200VDC17600W-----	09	EL1200VDC17600W-----	37
EL200VDC19800W-----	10	EL1200VDC19800W-----	38
EL200VDC22000W-----	11	EL1200VDC22000W-----	39
EL200VDC24200W-----	12	EL1200VDC24200W-----	40
EL200VDC26400W-----	13	EL1200VDC26400W-----	41
200V Series System Specifications-----	14	1200V Series System Specifications-----	42
EL600VDC3400W-----	15		
EL600VDC4400W-----	16		
EL600VDC5600W-----	17		
EL600VDC6600W-----	18		
EL600VDC8800W-----	19		
EL600VDC11000W-----	20		
EL600VDC13200W-----	21		
EL600VDC15400W-----	22		
EL600VDC17600W-----	23		
EL600VDC19800W-----	24		
EL600VDC22000W-----	25		
EL600VDC24200W-----	26		
EL600VDC26400W-----	27		
600V Series System Specifications-----	28		

High Power DC Electronic Load

Selection List:

Model	Voltage	Current	Power	Corresponding page
EL200VDC3400W	200V	370A	3400W	P01
EL200VDC4400W	200V	480A	4400W	P02
EL200VDC5600W	200V	610A	5600W	P03
EL200VDC6600W	200V	720A	6600W	P04
EL200VDC8800W	200V	960A	8800W	P05
EL200VDC11000W	200V	1200A	11000W	P06
EL200VDC13200W	200V	1440A	13200W	P07
EL200VDC15400W	200V	1680A	15400W	P08
EL200VDC17600W	200V	1920A	17600W	P09
EL200VDC19800W	200V	2160A	19800W	P10
EL200VDC22000W	200V	2400A	22000W	P11
EL200VDC24200W	200V	2640A	24200W	P12
EL200VDC26400W	200V	2880A	26400W	P13
EL600VDC3400W	600V	250A	3400W	P15
EL600VDC4400W	600V	320A	4400W	P16
EL600VDC5600W	600V	410A	5600W	P17
EL600VDC6600W	600V	480A	6600W	P18
EL600VDC8800W	600V	640A	8800W	P19
EL600VDC11000W	600V	800A	11000W	P20
EL600VDC13200W	600V	960A	13200W	P21
EL600VDC15400W	600V	1120A	15400W	P22
EL600VDC17600W	600V	1280A	17600W	P23
EL600VDC19800W	600V	1440A	19800W	P24
EL600VDC22000W	600V	1600A	22000W	P25
EL600VDC24200W	600V	1760A	24200W	P26
EL600VDC26400W	600V	1920A	26400W	P27
EL1200VDC3400W	1200V	125A	3400W	P29
EL1200VDC4400W	1200V	160A	4400W	P30
EL1200VDC5600W	1200V	210A	5600W	P31
EL1200VDC6600W	1200V	240A	6600W	P32
EL1200VDC8800W	1200V	320A	8800W	P33
EL1200VDC11000W	1200V	400A	11000W	P34
EL1200VDC13200W	1200V	480A	13200W	P35
EL1200VDC15400W	1200V	560A	15400W	P36
EL1200VDC17600W	1200V	640A	17600W	P37
EL1200VDC19800W	1200V	720A	19800W	P38
EL1200VDC22000W	1200V	800A	22000W	P39
EL1200VDC24200W	1200V	880A	24200W	P40
EL1200VDC26400W	1200V	960A	26400W	P41

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		

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%VF.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		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		

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		

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		

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		

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% IFS.		
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%VF.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%VF.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		

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% 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.)	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℃		
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		

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% IFS.		
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%VF.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		

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%VF.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%VF.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		

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		

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%VF.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		

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		

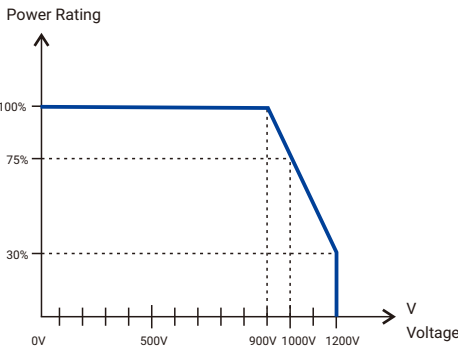
1200V Series System Specifications			
Non Linear Mode			
Range	CL	30uF~50000uF	
	RL	As CR Mode	
	Ls	0.1uH~16uH	
	Rs	30mΩ~20Ω	
Resolution	CL	1uF	
	RL	As CR Mode	
	Ls	0.1uH	
	Rs	1mΩ	
Battery Discharge Mode			
Battery Voltage		As CV Mode	
Current Resolution		As CC Mode	
Record		AH/WH	
Test Time		1s~100000s	
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.

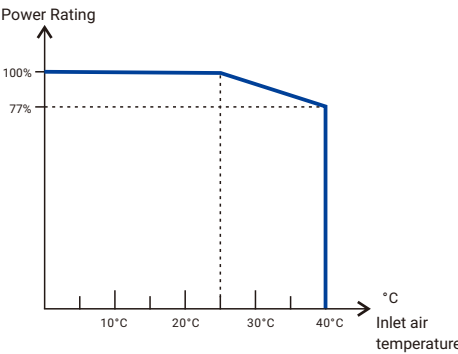
High Power DC Electronic Load

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.

APM TECHNOLOGY INT'L LTD

7/F., Kin On Commercial Building , 49-51 Jervois Street, Sheung Wan, Hongkong.

Tel: (852)-21527388/21527399 Fax: (852)-35719160

MARKETED & SUPPORTED BY

SALICON NANO TECHNOLOGY PVT.LTD

111,First Floor, Laxmi Deep Tower,
Laxmi Nagar Distt. Center,
Delhi-110092,India

Tel.: +91-11-40618940

Web: www.salicontech.co.in,

Email: sales@salicontech.co.in

