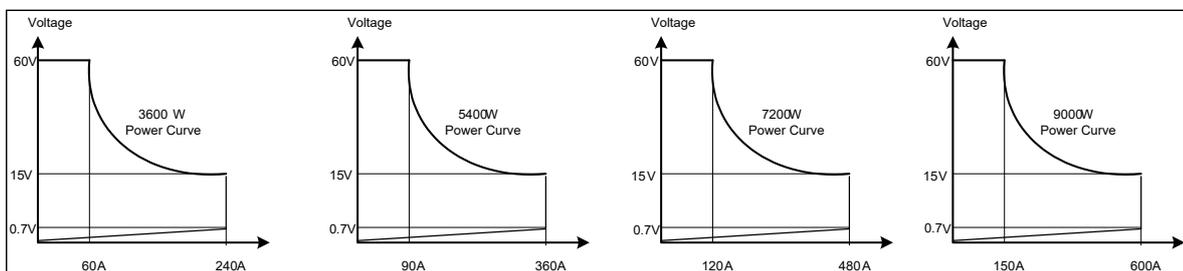


SPECIFICATIONS

Model	33511F	33512F	33513F	33514F
Power	3600W	5400W	7200W	9000W
Current	0-240A	0-360A	0-480A	0-600A
Voltage	0-60V	0-60V	0-60V	0-60V
Min. Operating Voltage	0.7V @ 240A	0.7V @ 360A	0.7V @ 480A	0.7V @ 600A
Constant Current Mode				
Range ¹	0-24A/240A	0-36A/360A	0-48A/480A	0-60A/600A
Resolution	0.4mA/4mA	0.6mA/6mA	0.8mA/8mA	1mA/10mA
Accuracy	± 0.1% OF (Setting + Range)			
Constant Resistance Mode				
Range	0.0041-0.25-15KΩ	0.0027-0.167-10KΩ	0.002-0.125-7.5KΩ	0.0016-0.1-6KΩ
Resolution	0.0041mΩ/0.0666mS	0.0027mΩ/0.1mS	0.002mΩ/0.1333mS	0.0016mΩ/0.1666mS
Accuracy	± 0.2% OF (Setting + Range)			
Constant Voltage Mode				
Range	6V/60V	6V/60V	6V/60V	6V/60V
Resolution	0.1mV/1mV	0.1mV/1mV	0.1mV/1mV	0.1mV/1mV
Accuracy	± 0.05% OF (Setting + Range)			
Constant Power Mode				
Range	360W/3600W	540W/5400W	720W/7200W	900W/9000W
Resolution	6mW/60mW	9mW/90mW	12mW/120mW	15mW/150mW
Accuracy	± 0.5% OF (Setting + Range)			
Dynamic Mode -CC				
Timing				
Thigh & Tlow	0.050-9.999 / 99.99 / 999.9 / 9999mS			
Resolution	0.001 / 0.01 / 0.1 / 1mS			
Accuracy	1uS/10uS/100uS/1mS + 50ppm			
Slew rate	0.016A-1A/uS 0.16A-10A/uS	0.024A-1.5A/uS 0.24A-15A/uS	0.032A-2A/uS 0.32A-20A/uS	0.04A-2.5A/uS 0.4A-25A/uS
Resolution	0.004/0.04A/uS	0.006/0.06A/uS	0.008/0.08A/uS	0.01/0.1A/uS
Accuracy	(5% of setting) ± 10 uS			
Min. Rise Time	24uS(typical)			
Current				
Range ²	24A/240A	36A/360A	48A/480A	60A/600A
Resolution	0.4mA/4mA	0.6mA/6mA	0.8mA/8mA	1mA/10mA
Accuracy	± 0.1% OF (Setting + Range)			
Measurement				
Voltage Read Back				
Range (5 Digital)	0-6V/60V	0-6V/60V	0-6V/60V	0-6V/60V
Resolution	0.1mV/1mV	0.1mV/1mV	0.1mV/1mV	0.1mV/1mV
Accuracy	± 0.025% OF (Reading + Range)			
Current Read Back				
Range (5 Digital)	0-24A/240A	0-36A/360A	0-48A/480A	0-60A/600A
Resolution	0.4mA/4mA	0.6mA/6mA	0.8mA/8mA	1mA/10mA
Accuracy	± 0.1% OF (Reading + Range)			
Power Read Back				
Range (5 Digital)	0-240W/2400W	0-540W/5400W	0-720W/7200W	0-900W/9000W
Accuracy	± 0.125% OF (Reading + Range)			
Program mode(Mainframe)				
Sequence No.	F1-9/16 Steps			
T1/T2 (Dwell)	0.1S-9.9S/Repeat 9999			
Load Setting(External Program)	0-10V for CC mode F.S.			
GO/NG Check	Voltage/Current/Power			
Protections				
Over Power	105% of Rated Power			
Over Current	105% of Rated Current			
Over Voltage	105% of Rated Voltage			
Over Temp.	Yes			
Interface(Mainframe)				
RS-232	Optional			
GPIB	Optional			
USB	Optional			
Ethernet	Optional			
RS-232 + GPIB	Optional			
Others				
Load ON Voltage				
Range	0.1-25.0V			
Resolution	0.1V			
Accuracy	1% of Setting + 0.25V			
Load OFF Voltage				
Range	0-25V			
Resolution	Same as Voltage Meter			
Accuracy	Same as Voltage Meter			
General				
Short Circuit				
Current	240A	360A	480A	600A
Temperature Coefficient	100ppm/°C(typical)			
Power	200Wmax	300Wmax	400Wmax	500Wmax
Dimension(HxWxD)	354 x 440 x 445 mm / 13.94x17.3x17.5 inch	331 x 440 x 445 mm / 20.91x17.3x17.5 inch	308 x 440 x 445 mm / 27.88x17.3x17.5 inch	285 x 440 x 445 mm / 34.85x17.3x17.5 inch
Weight	47.2 kg / 104.06 lbs	78.9 kg / 156.09 lbs	94.4 kg / 208.12 lbs	118 kg / 260.15 lbs
Operating Temperature ²	0-40°C			
Safety & EMC	CE			

Note¹: The range is automatically or forcing to range II only in CC mode

Note²: Operating temperature range is 0-40°C, All specifications apply for 25°C±5°C



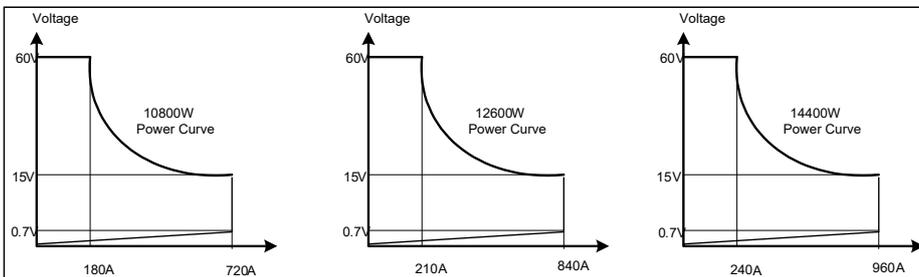
All specifications are subject to change without notice.

SPECIFICATIONS

Model	33515F	33516F	33517F
Power	10800W	12600W	14400W
Current	0-720A	0-840A	0-960A
Voltage	0-60V	0-60V	0-60V
Min. Operating Voltage	0.7V @ 720A	0.7V @ 840A	0.7V @ 960A
Constant Current Mode			
Range ¹	0-72A/720A	0-84A/840A	0-96A/960A
Resolution	1.2mA/12mA	1.4mA/14mA	1.6mA/16mA
Accuracy	± 0.1% OF (Setting + Range)		
Constant Resistance Mode			
Range	0.0013-0.0833-5KΩ	0.0011-0.0714-4284Ω	0.001-0.0625-3750Ω
Resolution	0.0013mΩ/0.2mS	0.0011mΩ/0.2334mS	0.001mΩ/0.2667mS
Accuracy	± 0.2% OF (Setting + Range)		
Constant Voltage Mode			
Range	6V/60V	6V/60V	6V/60V
Resolution	0.1mV/1mV	0.1mV/1mV	0.1mV/1mV
Accuracy	± 0.05% OF (Setting + Range)		
Constant Power Mode			
Range	1080W/10800W	1260W/12600W	1440W/14400W
Resolution	18mW/180mW	21mW/210mW	24mW/240mW
Accuracy	± 0.5% OF (Setting + Range)		
Dynamic Mode -CC			
Timing			
Thigh & Tlow	0.050-9.999 / 99.99 / 999.9 / 9999mS		
Resolution	0.001 / 0.01 / 0.1 / 1mS		
Accuracy	1uS/10uS/100uS/1mS + 50ppm		
Slew rate	0.048A-3A/uS	0.056A-3.5A/uS	0.064A-4A/uS
Resolution	0.48A-30A/uS	0.56A-35A/uS	0.64A-40A/uS
Resolution	0.012/0.12A/uS	0.014/0.14A/uS	0.016/0.16A/uS
Accuracy	(5% of setting) ± 10 uS		
Min. Rise Time	24uS(typical)		
Current			
Range ²	72A/720A	84A/840A	96A/960A
Resolution	1.2mA/12mA	1.4mA/14mA	1.6mA/16mA
Accuracy	± 0.1% OF (Setting + Range)		
Measurement			
Voltage Read Back			
Range (5 Digital)	0-6V/60V	0-6V/60V	0-6V/60V
Resolution	0.1mV/1mV	0.1mV/1mV	0.1mV/1mV
Accuracy	± 0.025% OF (Reading + Range)		
Current Read Back			
Range (5 Digital)	0-72A/720A	0-84A/840A	0-96A/960A
Resolution	1.2mA/12mA	1.4mA/14mA	1.6mA/16mA
Accuracy	± 0.1% OF(Reading + Range)		
Power Read Back			
Range (5 Digital)	0-1080W/10800W	0-1260W/12600W	0-1440W/14400W
Accuracy	± 0.125% OF (Reading + Range)		
Program mode(Mainframe)			
Sequence No.	F1-9/16 Steps		
T1/T2 (Dwell)	0.1S-9.9S/Repeat 9999		
Load Setting(External Program)	0-10V for CC mode F.S.		
GO/NG Check	Voltage/Current/Power		
Protections			
Over Power	105% of Rated Power		
Over Current	105% of Rated Current		
Over Voltage	105% of Rated Voltage		
Over Temp.	Yes		
Interface(Mainframe)			
RS-232	Optional		
GPIB	Optional		
USB	Optional		
Ethernet	Optional		
RS-232 + GPIB	Optional		
Others			
Load ON Voltage			
Range	0.1-25.0V		
Resolution	0.1V		
Accuracy	1% of Setting + 0.25V		
Load OFF Voltage			
Range	0-25V		
Resolution	Same as Voltage Meter		
Accuracy	Same as Voltage Meter		
General			
Short Circuit			
Current	720A	840A	960A
Temperature Coefficient			
Power	600Wmax	700Wmax	800Wmax
Dimension(HxWxD)	062 x 440 x 445 mm / 41.82x17.3x17.5 inch	239 x 440 x 445 mm / 48.79x17.3x17.5 inch	416 x 440 x 445 mm / 55.76x17.3x17.5 inch
Weight	141.6 kg / 312.18 lbs	165.2 kg / 364.21 lbs	188.8 kg / 416.24 lbs
Operating Temperature ²	0-40°C		
Safety & EMC	CE		

Note¹: The range is automatically or forcing to range II only in CC mode

Note²: Operating temperature range is 0-40°C, All specifications apply for 25°C±5°C



All specifications are subject to change without notice.