

SPECIFICATIONS

Model	3330F		3332F		3336F		3337F	
Power	250W	50W	120Wx2		40Wx2		150Wx2	
Current	0~60A	0~6A	0~24A	0~24A	0~3A	0~3A	0~30A	0~30A
Voltage	0~80V	0~80V	0~80V	0~80V	0~80V	0~80V	0~80V	0~80V
Min. Operating Voltage	0.8V @ 60A	0.8V @ 6A	0.8V @ 24A	0.8V @ 24A	0.4V @ 3A	0.4V @ 3A	1V @ 30A	1V @ 30A
Constant Current Mode								
Range ^{*1}	0~6A/60A	0~0.6A/6A	0~2.4A/24A	0~2.4A/24A	0~0.3A/3A	0~0.3A/3A	0~3A/30A	0~3A/30A
Resolution	0.1mA/1mA	0.01mA/0.1mA	0.04mA/0.4mA		0.005mA/0.05mA		0.05mA/0.5mA	
Accuracy	± 0.1% (Setting + Range)		± 0.1% (Setting + Range)		± 0.1% (Setting + Range)		± 0.1% (Setting + Range)	
Constant Resistance Mode								
Range	0.01335~1.335~80.1KΩ	0.1335~13.35~801KΩ	0.0333~3.33~199.8KΩ	0.0333~3.33~199.8KΩ	0.267~26.7~1602KΩ	0.267~26.7~1602KΩ	0.0443~2.66~159.6KΩ	0.0443~2.66~159.6KΩ
Resolution	22.25μΩ/12.484μS	222.5μΩ/1.2484μS	55.55μΩ/5μS		445μΩ/0.6242μS		44.33μΩ/6.265μS	
Accuracy	0.2% OF (Setting + Range)		0.2% OF (Setting + Range)		0.2% OF (Setting + Range)		0.2% OF (Setting + Range)	
Constant Voltage Mode								
Range	6V/80V	6V/80V	6V/80V	6V/80V	6V/80V	6V/80V	6V/80V	6V/80V
Resolution	0.135mV/1.35mV		0.135mV/1.35mV		0.135mV/1.35mV		0.135mV/1.35mV	
Accuracy	± 0.05% (Setting + Range)		± 0.05% (Setting + Range)		± 0.05% (Setting + Range)		± 0.05% (Setting + Range)	
Constant Power Mode								
Range	25W(lmax.=6A)/250W	5W(lmax.=0.6A)/50W	12W(lmax.=2.4A)/120W	12W(lmax.=2.4A)/120W	4W(lmax.=0.3A)/40W	4W(lmax.=0.3A)/40W	15W(lmax.=3A)/150W	15W(lmax.=3A)/150W
Resolution	0.417mW/4.17mW	0.084mW/0.84mW	0.2mW/2mW	0.2mW/2mW	0.067mW/0.67mW	0.067mW/0.67mW	0.067mW/0.67mW	0.067mW/0.67mW
Accuracy	± 0.5% (Setting + Range)		± 0.5% (Setting + Range)		± 0.5% (Setting + Range)		± 0.5% (Setting + Range)	
Dynamic Mode -CC								
Timing								
Thigh & Tlow	0.050~9.999 / 99.99 / 999.9 / 9999mS		0.050~9.999 / 99.99 / 999.9 / 9999mS		0.050~9.999 / 99.99 / 999.9 / 9999mS		0.050~9.999 / 99.99 / 999.9 / 9999mS	
Resolution	0.001 / 0.01 / 0.1 / 1mS		0.001 / 0.01 / 0.1 / 1mS		0.001 / 0.01 / 0.1 / 1mS		0.001 / 0.01 / 0.1 / 1mS	
Accuracy	1uS/10uS/100uS/1mS + 50ppm		1uS/10uS/100uS/1mS + 50ppm		1uS/10uS/100uS/1mS + 50ppm		1uS/10uS/100uS/1mS + 50ppm	
Slew rate	4mA~250mA/uS	0.4mA~25mA/uS	1.6mA~100mA/uS	1.6mA~100mA/uS	0.2mA~12.5mA/uS	0.2mA~12.5mA/uS	2mA~125mA/uS	2mA~125mA/uS
	40mA~2500mA/uS	4mA~250mA/uS	16mA~1000mA/uS	16mA~1000mA/uS	2mA~125mA/uS	2mA~125mA/uS	20mA~1250mA/uS	20mA~1250mA/uS
Resolution	1mA/10mA	0.1mA/1mA	0.4mA/4mA		0.05mA/0.5mA		0.5mA/5mA	
Accuracy	(5% of setting) ± 10 uS							
Min. Rise Time	24uS(typical)		24uS(typical)		24uS(typical)		24uS(typical)	
Current								
Range	6/60A	0.6A/6A	2.4/24A	2.4/24A	0.3/3A	0.3A/3A	3/30A	3A/30A
Resolution	0.1mA/1mA	0.01mA/0.1mA	0.04mA/0.4mA		0.005mA/0.05mA		0.05mA/0.5mA	
Accuracy	± 0.1% (Setting + Range)		± 0.1% (Setting + Range)		± 0.1% (Setting + Range)		± 0.1% (Setting + Range)	
Measurement								
Voltage Read Back								
Range (5 Digital)	0~6V/81V	0~6V/81V	0~6V/81V	0~6V/81V	0~6V/81V	0~6V/81V	0~6V/81V	0~6V/81V
Resolution	0.1mV/1.35mV		0.1mV/1.35mV		0.1mV/1.35mV		0.1mV/1.35mV	
Accuracy	± 0.025% (Reading + Range)		± 0.025% (Reading + Range)		± 0.025% (Reading + Range)		± 0.025% (Reading + Range)	
Current Read Back								
Range (5 Digital)	0~6A/60A	0~0.6A/6A	0~2.4A/24A	0~2.4A/24A	0~0.3A/3A	0~0.3A/3A	0~3A/3A	0~3A/3A
Resolution	0.1mA/1mA	0.01mA/0.1mA	0.04mA/0.4mA		0.005mA/0.05mA		0.05mA/0.5mA	
Accuracy	± 0.1% (Reading + Range)		± 0.1% (Reading + Range)		± 0.1% (Reading + Range)		± 0.1% (Reading + Range)	
Power Read Back								
Range (5 Digital)	0~250W	0~50W	0~120W	0~120W	0~40W	0~40W	0~150W	0~150W
Accuracy	± 0.125% (Reading + Range)		± 0.125% (Reading + Range)		± 0.125% (Reading + Range)		± 0.125% (Reading + Range)	
Program mode(Mainframe)								
Sequence No.	F1~9/16 Steps							
T1/T2 (Dwell)	0.1S~9.9S/Repeat 9999							
GO/ING Check	Voltage/Current/Power							
Protections								
Over Power	105% of Rated Power		105% of Rated Power		105% of Rated Power		105% of Rated Power	
Over Current	105% of Rated Current		105% of Rated Current		105% of Rated Current		105% of Rated Current	
Over Voltage	105% of Rated Voltage		105% of Rated Voltage		105% of Rated Voltage		105% of Rated Voltage	
Over Temp.	~90°C		~90°C		~90°C		~90°C	
Reverse polarity	No		No		No		No	
Interface(Mainframe)								
RS-232	Optional		Optional		Optional		Optional	
GPIO	Optional		Optional		Optional		Optional	
USB	Optional		Optional		Optional		Optional	
Ethernet	Optional		Optional					

Note ^{*1} : The range is automatically or forcing to range II only in CC mode

Note ^{*2} : Power F.S. = Vrange F.S. x Irange F.S.

Note ^{*3} : Operating temperature range is 0~40°C, All specifications apply for 25°C±5°C

