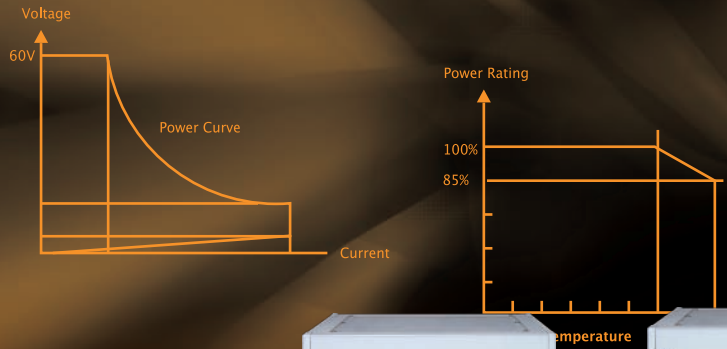


3360F Series High Voltage DC Electronic Load



600W /1200W /1800W

- ▶ 3360F ▶ 3361F
- ▶ 3362F ▶ 3367F



2.4KW/3.6KW

- ▶ 33611F ▶ 33621F
- ▶ 33671F



5.4KW

- ▶ 33622F
- ▶ 33672F



7.2KW

- ▶ 33623F



9KW

- ▶ 33624F ▶ 33674F



10.8KW

- ▶ 33625F ▶ 33675F



12.6KW

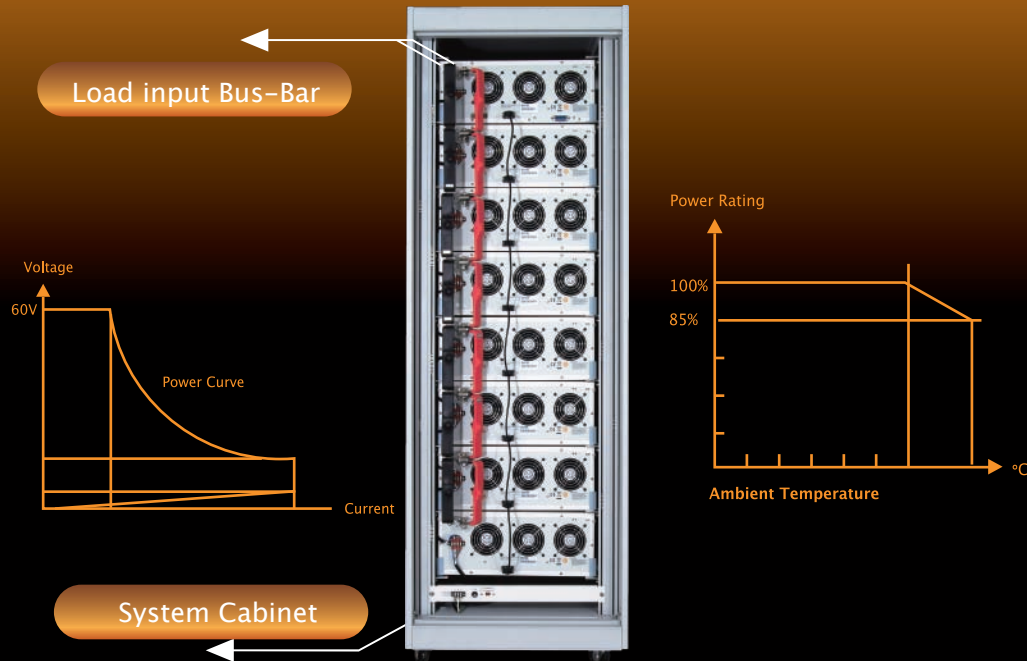
- ▶ 33626F



14.4KW

- ▶ 33627F

Rear Panel of 3360F Series 14.4KW Load



Feature

- | | |
|---|--|
| <ul style="list-style-type: none"> ▶ 5 digit V/A/W Meter ▶ High-speed measurement and communication transmission ▶ Large LCD Display \ setting values can be adjusted by rotary knob or push button ▶ Voltage, Current and Watt value can be displayed simultaneously ▶ 150 sets Store/Recall memory ▶ Power Factor Correction (PFC) Test ▶ OCP, OPP test function | <ul style="list-style-type: none"> ▶ Power ON status can be set ▶ CC, CR, CV, CP, Dynamic and Short operation mode ▶ SHORT time setting ▶ Protections against V, I, W, and °C ▶ Voltage meter display the polarity positive ("+") or negative ("-") is selectable ▶ Optional Interface: GPIB \ RS232 \ USB \ LAN |
|---|--|

Description

- ▶ 3360F has its own control and display panel, CC/CR/CV/CP/Dynamic modes, 150 sets Store/Recall memory which provides load set-up more efficiently, also can be remote controlled via GPIB, RS232, USB and LAN interface.
- ▶ SHORT time setting and SHORT_VH, SHORT_VL setting function, also can measure Short Voltage and Current
- ▶ Dynamic can be simulated under CC, CP mode. The current Rise/Fall slew rate can be adjusted individually and there is an external signal input for a Arbitrary Waveform to simulate load current.
- ▶ Single key for OCP, OPP test function will be more efficiency and accuracy on OCP, OPP testing.
- ▶ Programmable Load ON/OFF voltage, GO/NG meter check, Voltage meter display "+" or "-" is selectable and 150 sets Store/Recall larger memory is much advance feature for each different application.
- ▶ 150 sets test parameter and status storage function, user can recall the storage memory real time in accordance with the auto sequence requirement.
- ▶ Maximum Voltage up to 500V that provides an ideal testing solution for Power Factor Correction testing.

Application

- ▶ Voltage/Current source
- ▶ SMPS transient response
- ▶ CV/Current limit testing and battery emulation
- ▶ Battery charger
- ▶ Battery discharge
- ▶ R&D Quality Control
- ▶ ATE system
- ▶ Production testing
- ▶ Power Factor Correction (PFC) Test

Specifications

Model	3360F	3361F	3362F	3367F	33611F	33621F
Power	600W	1200W	1800W	1800W	2400W	3600W
Current	0~20A	0~40A	0~60A	0~12A	0~80A	0~120A
Voltage	0~500V	0~500V	0~500V	0~500V	0~500V	0~500V
Min.Operation Voltage	4V @ 20A	4V @ 40A	4V @ 60A	6V @ 12A	4V @ 80A	4V @ 120A
Constant Current Mode						
Range *1	0~2A/20A	0~4A/40A	0~6A/60A	0~1.2A/12A	0~8A/80A	0~12A/120A
Resolution	0.033mA/0.33mA	0.066mA/0.66mA	0.1mA/1mA	0.02mA/0.2mA	0.133mA/1.33mA	0.2mA/2mA
Accuracy	±0.1% OF (Setting+Range)					
Constant Resistance Mode						
Range	0.5~30~1800KΩ	0.25~15~900KΩ	0.1666~10~600KΩ	0.8333~50~3000KΩ	0.125~7.5~450KΩ	0.833~5~300KΩ
Resolution	0.5mΩ/0.55uS	0.25mΩ/1.1uS	0.1666mΩ/0.032mS	0.8333mΩ/0.333uS	0.125mΩ/0.0022mS	0.0833mΩ/0.00033mS
Accuracy	±0.2% OF (Setting + Range)					
Constant Voltage Mode						
Range	60V/500V					
Resolution	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV
Accuracy	±0.05% OF (Setting+Range)					
Constant Power Mode						
Range	60W/600W	120W/1200W	180W/1800W	180W/1800W	0~240W/2400W	0~360W/3600W
Resolution	1mW/10mW	2mW/20mW	3mW/30mW	3mW/30mW	4mW/40mW	6mW/60mW
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	1.6mA~100mA/uS 16mA~1000mA/uS	3.2mA~200mA/uS 32mA~2000mA/uS	4.8mA~300mA/uS 48mA~3000mA/uS	0.96mA~60mA/uS 9.6mA~600mA/uS	6.4mA~400mA/uS 64mA~4000mA/uS	9.6mA~600mA/uS 96mA~6000mA/uS
Resolution	0.4/4mA/uS	0.8/8mA/uS	1.2/12mA/uS	0.24/2.4mA/uS	1.6/16mA/uS	2.4/24mA/uS
Accuracy	(5% of setting) ± 10 uS					
Min. Rise Time	20uS(typical)					
Current						
Range	2/20A	4/40A	6/60A	1.2/12A	8/80A	12/120A
Resolution	0.033mA/0.33mA	0.066mA/0.66mA	0.1mA/1mA	0.02mA/0.2mA	0.133mA/1.33mA	0.2mA/2mA
Accuracy	±0.1% OF (Setting+Range)					
Measurement						
Voltage Read Back						
Range (5 Digital)	0~60V/600V					
Resolution	0.001V/0.01V					
Accuracy	±0.025% OF (Reading+Range)					
Current Read Back						
Range (5 Digital)	0~2A/20A	0~4A/40A	0~6A/60A	0~1.2A/12A	0~8A/80A	0~12A/120A
Resolution	0.033mA/0.33mA	0.066mA/0.66mA	0.1mA/1mA	0.02mA/0.2mA	0.133mA/1.33mA	0.2mA/2mA
Accuracy	±0.1% OF (Reading+Range)					
Power Read Back						
Range (5 Digital)	0~60W/600W	0~120W/1200W	0~180W/1800W	0~180W/1800W	0~240W/2400W	0~360W/3600W
Resolution	0.03W				0.04W	0.06W
Accuracy	±0.125% OF (Reading+Range)					
Protections						
Over Power	105% of Rated Power					
Over Current	105% of Rated Current					
Over Voltage	105% of Rated Voltage					
Over Temp.	Yes					
Others						
Load ON Voltage						
Range	0.4~100.0V					
Resolution	0.4V					
Accuracy	1% of Setting + 2.5V					
Load OFF Voltage						
Range	0~100V					
Resolution	Same as Voltage Meter					
Accuracy	Same as Voltage Meter					
General						
Short Circuit						
Current	20A	40A	60A	12A	80A	120A
Temperature Coefficient	100ppm/°C(typical)					
Power consumption	100Wmax	100Wmax	100Wmax	100Wmax	100Wmax	200Wmax
Operating Temperature *2	0~40°C					
Dimension (HxWxD)	177 x 440 x 445 mm				889x596x600mm	889x596x600mm
Weight	15.2 kg	19.4 Kg	23.6 kg	23.6 Kg	72.8 Kg	81.2 kg
Safety & EMC	CE					



Note *1 : The range is automatically or forcing to range II only in CC Mode

Note *2 : Operating temperature range is 0~40°C, all specification apply for 25°C±5°C

■ AC Power : 115V/230 Vac ±10% · 50/60Hz

■ Cooling : Advanced Fan Cooled

Data Subject Change without Notice

Specifications

Model	33671F	33622F	33672F	33623F	33624F	33674F
Power	3600W	5400W	5400W	7200W	9000W	9000W
Current	0~24A	0~180A	0~36A	0~240A	0~300A	0~60A
Voltage	0~500V	0~500V	0~500V	0~500V	0~500V	0~500V
Min.Operation Voltage	6V @ 24A	4V @180A	6V @36A	4V @240A	4V @300A	6V @60A
Constant Current Mode						
Range *1	2.4A/24A	0~18A/180A	0~3.6A/36A	0~24A/240A	0~30A/300A	0~6A/60A
Resolution	0.02mA/0.2mA	0.3mA/3mA	0.06mA/0.6mA	0.4mA/4mA	0.5mA/5mA	0.1mA/1mA
Accuracy	±0.1% OF(Setting+Range)					
Constant Resistance Mode						
Range	0.416~25~1500KΩ	0.0555~3.3333~200KΩ	0.2775~16.66~100KΩ	0.0416~2.5~150KΩ	0.0333~2~120KΩ	0.1666~10~600KΩ
Resolution	0.416mΩ/0.00066mS	0.0555mΩ/0.00033mS	0.2775mΩ/0.01mS	0.0416mΩ/0.0066mS	0.0333mΩ/0.128mS	0.1666mΩ/0.0016mS
Accuracy	±0.2% OF(Setting+Range)					
Constant Voltage Mode						
Range	60V/500V					
Resolution	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV
Accuracy	±0.05% OF(Setting+Range)					
Constant Power Mode						
Range	0~360W/3600W	540W/5400W	540W/5400W	720W/7200W	900W/9000W	900W/9000W
Resolution	6mW/60mW	9mW/90mW	9mW/90mW	12mW/120mW	15mW/150mW	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	1.92mA~120mA/uS 19.2mA~1200mA/uS	14.4mA~900mA/uS 144mA~9000mA/uS	2.88mA~180mA/uS 28.8mA~1800mA/uS	0.0192A~1.2A/uS 0.192A~12A/uS	0.024A~1.5A/uS 0.24A~15A/uS	4.8mA~300mA/uS 48mA~3000mA/uS
Resolution	0.48/4.8mA/uS	3.6/36mA/uS	0.72/7.2mA/uS	0.0048/0.048A/uS	0.006/0.06A/uS	1.2/12mA/uS
Accuracy	(5% of setting) ± 10 uS					
Min. Rise Time	20uS(typical)					
Current						
Range	2.4A/24A	18/180A	3.6A/36A	24/240A	30A/300A	6/60A
Resolution	0.02mA/0.2mA	0.3mA/3mA	0.06mA/0.6mA	0.4mA/4mA	0.5mA/5mA	0.1mA/1mA
Accuracy	±0.1% OF(Setting+Range)					
Measurement						
Voltage Read Back						
Range (5 Digital)	0~60V/500V					
Resolution	0.001V/0.01V					
Accuracy	±0.025% OF (Reading+Range)					
Current Read Back						
Range (5 Digital)	2.4A/24A	0~18A/180A	0~3.6A/36A	0~24A/240A	0~30A/300A	0~6A/60A
Resolution	0.02mA/0.2mA	0.3mA/3mA	0.06mA/0.6mA	0.4mA/4mA	0.5mA/5mA	0.1mA/1mA
Accuracy	±0.1% OF(Reading+Range)					
Power Read Back						
Range (5 Digital)	0~360W/3600W	0~540W/5400W	0~540W/5400W	0~720W/7200W	0~900W/9000W	0~900W/9000W
Resolution	0.06W	0.09W	0.09W	0.12W	0.15W	0.15W
Accuracy	±0.125% OF(Reading+Range)					
Protections						
Over Power	105% of Rated Power					
Over Current	105% of Rated Current					
Over Voltage	105% of Rated Voltage					
Over Temp.	Yes					
Others						
Load ON Voltage						
Range	0.4~100.0V					
Resolution	0.4V					
Accuracy	1% of Setting + 2.5V					
Load OFF Voltage						
Range	0~100V					
Resolution	Same as Voltage Meter					
Accuracy	Same as Voltage Meter					
General						
Short Circuit						
Current	24A	180A	36A	240A	300A	60A
Temperature Coefficient	100ppm/°C(typical)					
Power consumption	200Wmax	300Wmax	300Wmax	400Wmax	500Wmax	500Wmax
Operating Temperature *2	0~40°C					
Dimension (HxWxD)	889 x596 x600 mm	889 x596 x600 mm	889 x596 x600 mm	1556 x596 x600 mm	1556 x596 x600 mm	1556 x596 x600 mm
Weight	81.2 Kg	104.8 Kg	104.8 Kg	161.4 kg	185Kg	185 Kg
Safety & EMC	CE					



Note *1 : The range is automatically or forcing to range II only in CC Mode

Note *2 : Operating temperature range is 0~40°C, all specification apply for 25°C±5°C

■ AC Power : 115V/230 Vac ±10% · 50/60Hz

■ Cooling : Advanced Fan Cooled

Data Subject Change without Notice

Specifications

Model	33625F	33675F	33626F	33627F
Power	10800W	10800W	12600W	14400W
Current	0~360A	0~72A	0~420A	0~500A
Voltage	0~500V	0~500V	0~500V	0~500V
Min.Operation Voltage	4V @ 360A	6V @ 72A	4V @ 420A	4V @ 500A
Constant Current Mode				
Range *1	0~36A/360A	0~7.2A/72A	0~42A/420A	0~50A/500A
Resolution	0.6mA/6mA	0.12mA/1.2mA	0.7mA/7mA	0.84mA/8.4mA
Accuracy	±0.1% OF(Setting+Range)			
Constant Resistance Mode				
Range	0.0277~1.6666~100KΩ	0.8333~8.333~500KΩ	0.0238~1.4285~85.71KΩ	0.02~1.2~72KΩ
Resolution	0.0277mΩ/0.00033mS	0.138mΩ/0.0166mS	0.0238mΩ/0.00033mS	0.02mΩ/0.0138mS
Accuracy	±0.2% OF(Setting+Range)			
Constant Voltage Mode				
Range	60V/500V			
Resolution	1mV/10mV	1mV/10mV	1mV/10mV	1mV/10mV
Accuracy	±0.05% OF(Setting+Range)			
Constant Power Mode				
Range	0~1080W/10800W	1080W/10800W	1260W/12600W	1440W/14400W
Resolution	18mW/180mW	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	0.0288A~1.8A/uS 0.288A~18A/uS	5.76mA~360mA/uS 57.6mA~3600mA/uS	0.0336A~2.1A/uS 0.336A~21A/uS	0.04A~2.5A/uS 0.4A~25A/uS
Resolution	0.0072/0.072A/uS	1.44/14.4mA/uS	0.0084/0.084A/uS	0.01/0.1A/uS
Accuracy	(5% of setting) ± 10 uS			
Min. Rise Time	20uS(typical)			
Current				
Range	36A/360A	7.2/72A	42A/420A	50A/500A
Resolution	0.6mA/6mA	0.12mA/1.2mA	0.7mA/7mA	0.84mA/8.4mA
Accuracy	±0.1% OF(Setting+Range)			
Measurement				
Voltage Read Back				
Range (5 Digital)	0~60V/500V			
Resolution	0.001V/0.01V			
Accuracy	±0.025% OF (Reading+Range)			
Current Read Back				
Range (5 Digital)	0~36A/360A	0~7.2A/72A	0~42A/420A	0~50A/500A
Resolution	0.6mA/6mA	0.12mA/1.2mA	0.7mA/7mA	0.84mA/8.4mA
Accuracy	±0.1% OF(Reading+Range)			
Power Read Back				
Range (5 Digital)	0~1080W/10800W	0~1080W/10800W	0~1260W/12600W	0~1440W/14400W
Resolution	0.18W	0.18W	0.21W	0.24W
Accuracy	±0.125% OF(Reading+Range)			
Protections				
Over Power	105% of Rated Power			
Over Current	105% of Rated Current			
Over Voltage	105% of Rated Voltage			
Over Temp.	Yes			
Others				
Load ON Voltage				
Range	0.4~100.0V			
Resolution	0.4V			
Accuracy	1% of Setting + 2.5V			
Load OFF Voltage				
Range	0~100V			
Resolution	Same as Voltage Meter			
Accuracy	Same as Voltage Meter			
General				
Short Circuit				
Current	360A	72A	420A	504A
Temperature Coefficient	100ppm/°C(typical)			
Power consumption	600Wmax	600Wmax	700Wmax	800Wmax
Operating Temperature *2	0~40°C			
Dimension (HxWxD)	1556 x596 x600 mm	1556 x596 x600 mm	1556 x596 x600 mm	1778 x596 x600 mm
Weight	208.6 kg	208.6 Kg	232.2 kg	268.8 kg
Safety & EMC	CE			



Note *1 : The range is automatically or forcing to range II only in CC Mode

Note *2 : Operating temperature range is 0~40°C, all specification apply for 25°C±5°C

■ AC Power : 115V/230 Vac ±10% · 50/60Hz

■ Cooling : Advanced Fan Cooled

Data Subject Change without Notice

Order Information



▶ **3360F**
500V, 20A, 600W



▶ **3361F**
500V, 40A, 1200W



▶ **3362F**
500V, 60A, 1800W



▶ **3367F**
500V, 12A, 1800W



▶ **33611F**
500V, 80A, 2400W



▶ **33621F**
500V, 120A, 3600W



▶ **33671F**
500V, 24A, 3600W



▶ **33622F**
500V, 180A, 5400W



▶ **33672F**
500V, 36A, 5400W



▶ **33623F**
500V, 240A, 7200W



▶ **33624F**
500V, 300A, 9000W



▶ **33674F**
500V, 60A, 9000W



▶ **33625F**
500V, 360A, 10800W



▶ **33675F**
500V, 72A, 10800W



▶ **33626F**
500V, 420A, 12600W



▶ **33627F**
500V, 500A, 14400W

Optional Interface : ① GPIB Card ② RS232 Card ③ USB Card ④ LAN Card

PRODIGIT
INSTRUMENT PROFESSIONAL

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