

With Synchronic parallel control capability, 6330A series loads allow users to parallel and synchronize more than one load together from an internal loading control signal. This feature provides synchronic dynamic loading test for multi-output power and high power test solution.

Real time measurement of voltage, current, is integrated into each 6330A load module using a 16-bit precision measurement circuit. The user can perform on line voltage measurement and adjustment, or simulate short circuit test using the simple keypad on the front panel.

The 6330A have self-diagnosis routine to maintain instrumental performance all the time. It is also protected against OP, OC, OT protection, and alarm indicating OV, reverse polarity to guarantee quality and reliability for even the most demanding engineering testing and ATE application.

The FET technology accomplishes minimum input resistance and enables the load to sink high current even at very low voltage. For example, model 63303A is capable of sinking 60A at 1V output, and well-suited for testing the new 3V low voltage power supplies. Low voltage operation, down to zero volt, is possible at correspondingly reduced current level. (see below)

Chroma has created the industries first LED Load Simulator for simulating LED loading with our 63310A load model from our 6330A series Electronic Loads. By setting the LED power driver's output voltage, and current, the Electronic Load can simulate the LED's loading characteristics. The LED's forward voltage and operating resistance can also be set to further adjust the loading current and ripple current to better simulate LED characteristics. The 63310A design also has increased bandwidth to allow for PWM dimming testing.

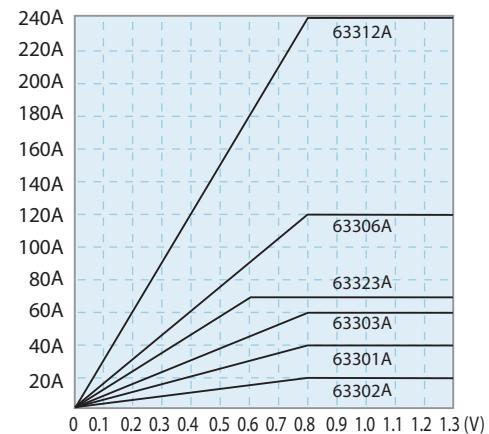
Chroma Model 6330A series high speed DC electronic improves CPU clock, baud rate, parser and added synchronic parallel function for fast operation, which is ideal for auto test system integration to increase your manufacturing test throughput. Plugging the user selectable load modules into the system mainframe can also provide easy system configuration and future reconfiguration configure the system.

The 6330A family offers 12 types of modular loads with power ranging from 30 watts to 1200 watts, current from 0.5mA to 240A, and voltage measurement from 0.5mV to 500V. Each load is isolated and floating, programmable in dual current range and measuring voltage range, and capable of synchronizing with other modules for control operating. The load can be operated in constant current, constant voltage, and constant resistance.



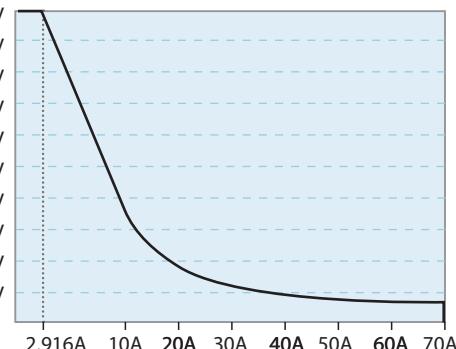
Low Voltage Characteristics (Typical)

Model 63301A/63302A/63303A/
63306A/63312A/63323A



Note: All specifications are measured at load input terminals. (Ambient Temperature of 25°C)

Model 63323A Input Characteristics



6330A Series High Speed DC Electronic Load Family



SPECIFICATIONS-1

Model	63301A		63302A (100Wx2)		63303A							
Power	20W	200W	20W	100W	30W	300W						
Current	0~4A	0~40A	0~2A	0~20A	0~6A	0~60A						
Voltage *3	0~80V		0~80V		0~80V							
Min. Operation Voltage (DC) *1 (Typical)	0.4V@2A 0.8V@4A	0.4V@20A 0.8V@40A	0.4V@1A 0.8V@2A	0.4V@10A 0.8V@20A	0.4V@3A 0.8V@6A	0.4V@30A 0.8V@60A						
Constant Current Mode												
Range	0~4A	0~40A	0~2A	0~20A	0~6A	0~60A						
Resolution	1mA	10mA	0.5mA	5mA	1.5mA	15mA						
Accuracy	0.1%+0.1%F.S.	0.1%+0.2%F.S.	0.1%+0.1%F.S.	0.1%+0.2%F.S.	0.1%+0.1%F.S.	0.1%+0.2%F.S.						
Constant Resistance Mode												
Range	0.0375 Ω~150 Ω (200W/16V) 1.875 Ω~7.5kΩ (200W/80V)		0.075 Ω~300 Ω (100W/16V) 3.75 Ω~15kΩ (100W/80V)		0.025 Ω~100 Ω (300W/16V) 1.25 Ω~5kΩ (300W/80V)							
Resolution*5	6.667mS (200W/16V) 133μS (200W/80V)		3.333mS (100W/16V) 66.667μS (100W/80V)		10mS (300W/16V) 200μS (300W/80V)							
Accuracy	150 Ω: 0.1S + 0.2% 7.5kΩ: 0.01S + 0.1%		300 Ω: 0.1S + 0.2% 15kΩ: 0.01S + 0.1%		100 Ω: 0.1S + 0.2% 5kΩ: 0.01S + 0.1%							
Constant Voltage Mode												
Range	0~80V		0~80V		0~80V							
Resolution	20mV		20mV		20mV							
Accuracy	0.05% + 0.1%F.S.		0.05% + 0.1%F.S.		0.05% + 0.1%F.S.							
Constant Power Mode												
Range	0~20W	0~200W	0~20W	0~100W	0~30W	0~300W						
Resolution	5mW	50mW	5mW	25mW	7.5mW	75mW						
Accuracy	0.5% + 0.5%F.S.		0.5% + 0.5%F.S.		0.5% + 0.5%F.S.							
Dynamic Mode												
Dynamic Mode	C.C. Mode		C.C. Mode		C.C. Mode							
T1 & T2	0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms		0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms		0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms							
Accuracy	1μs/1ms+100ppm		1μs/1ms+100ppm		1μs/1ms+100ppm							
Slew Rate	0.64~160mA/μs	6.4~1600mA/μs	0.32~80mA/μs	3.2~800mA/μs	0.001~0.25A/μs	0.01~2.5A/μs						
Resolution	0.64mA/μs	6.4mA/μs	0.32mA/μs	3.2mA/μs	0.001A/μs	0.01A/μs						
Accuracy	10% ± 20μs		10% ± 20μs		10% ± 20μs							
Min. Rise Time	10μs (Typical)		10μs (Typical)		10μs (Typical)							
Current	0~4A	0~40A	0~2A	0~20A	0~6A	0~60A						
Resolution	1mA	10mA	0.5mA	5mA	1.5mA	15mA						
Accuracy	0.4%F.S.		0.4%F.S.		0.4%F.S.							
Measurement Section												
Voltage Read Back												
Range	0~16V	0~80V	0~16V	0~80V	0~16V	0~80V						
Resolution	0.25mV	1.25mV	0.25mV	1.25mV	0.25mV	1.25mV						
Accuracy	0.025% + 0.025%F.S.		0.025% + 0.025%F.S.		0.025% + 0.025%F.S.							
Current Read Back												
Range	0~4A	0~40A	0~2A	0~20A	0~6A	0~60A						
Resolution	0.0625mA	0.625mA	0.03125mA	0.3125mA	0.09375mA	0.9375mA						
Accuracy	0.05% + 0.05%F.S.		0.05% + 0.05%F.S.		0.05% + 0.05%F.S.							
Power Read Back*2												
Range	0~20W	0~200W	0~20W	0~100W	0~30W	0~300W						
Accuracy	0.1% + 0.1%F.S.		0.1% + 0.1%F.S.		0.1% + 0.1%F.S.							
Protective Section												
Over Power Protection	Yes		Yes		Yes							
Over Current Protection	Yes		Yes		Yes							
Over Temperature Protection	Yes		Yes		Yes							
Over Voltage Alarm*3	Yes		Yes		Yes							
General												
Short Circuit												
Current (CC)	-	≤ 40A	-	≤ 20A	-	≤ 60A						
Voltage (CV)	-	0V	-	0V	-	0V						
Resistance (CR)	-	≤ 0.0375Ω	-	≤ 0.075Ω	-	≤ 0.025Ω						
Power (CP)	-	≤ 200W	-	≤ 100W	-	≤ 300W						
Input Resistance (Load Off)												
	100kΩ (Typical)		100kΩ (Typical)		100kΩ (Typical)							
Temperature Coefficient												
	100PPM/°C (Typical)		100PPM/°C (Typical)		100PPM/°C (Typical)							
Power												
	Supply from 6334A Mainframe		Supply from 6334A Mainframe		Supply from 6334A Mainframe							
Dimension (H x W x D)												
	172x82x489.5mm / 6.8x3.2x19.3inch		172x82x489.5mm / 6.8x3.2x19.3inch		172x82x489.5mm / 6.8x3.2x19.3inch							
Weight												
	4.2 kg / 9.3 lbs		4.2 kg / 9.3 lbs		4.2 kg / 9.3 lbs							
Operating Range												
	0~40°C		0~40°C		0~40°C							
EMC & Safety												
	CE		CE		CE							

All specifications are subject to change without notice.

SPECIFICATIONS-2								
Model	63305A		63306A					
Power	30W	300W	60W	600W				
Current	0~1A	0~10A	0~12A	0~120A				
Voltage*3	0~500V		0~80V					
Min. Operation Voltage (DC) *1 (Typical)	1.0V@0.5A 2.0V@1A	1.0V@5A 2.0V@10A	0.4V@6A 0.8V@12A	0.4V@60A 0.8V@120A				
Constant Current Mode								
Range	0~1A	0~10A	0~12A	0~120A				
Resolution	0.25mA	2.5mA	3mA	30mA				
Accuracy	0.1%+0.1%F.S.	0.1%+0.2%F.S.	0.1%+0.1%F.S.	0.1%+0.2%F.S.				
Constant Resistance Mode								
Range	1.25 Ω~5 Ω (300W/125V) 50 Ω~200kΩ (300W/500V)		12.5mΩ~50 Ω (600W/16V) 0.625Ω~2.5kΩ (600W/80V)					
Resolution*5	200μS (300W/125V) 5μS (300W/500V)		20mS (600W/16V) 400μS (600W/80V)					
Accuracy	5kΩ: 20mS+ 0.2% 200kΩ: 5mS+ 0.1%		50Ω: 0.4S + 0.5% 2.5kΩ: 0.04S + 0.2%					
Constant Voltage Mode								
Range	0~500V		0~80V					
Resolution	125mV		20mV					
Accuracy	0.05% + 0.1%F.S.		0.05% + 0.1%F.S.					
Constant Power Mode								
Range	0~30W	0~300W	0~60W	0~600W				
Resolution	7.5mW	75mW	15mW	150mW				
Accuracy	0.5% + 0.5%F.S.		0.5% + 0.5%F.S.					
Dynamic Mode								
Dynamic Mode	C.C. Mode		C.C. Mode					
T1 & T2	0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms		0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms					
Accuracy	1μs/1ms+100ppm		1μs/1ms+100ppm					
Slew Rate	0.16~40mA/μs	1.6~400mA/μs	0.002~0.5A/μs	0.02~5A/μs				
Resolution	0.16mA/μs	1.6mA/μs	0.002A/μs	0.02A/μs				
Accuracy	10% ± 20μs		10% ± 20μs					
Min. Rise Time	24μs (Typical)		10μs (Typical)					
Current	0~1A	0~10A	0~12A	0~120A				
Resolution	0.25mA	2.5mA	3mA	30mA				
Accuracy	0.4%F.S.		0.4%F.S.					
Measurement Section								
Voltage Read Back								
Range	0~125V	0~500V	0~16V	0~80V				
Resolution	2mV	8mV	0.25mV	1.25mV				
Accuracy	0.025% + 0.025%F.S.		0.025% + 0.025%F.S.					
Current Read Back								
Range	0~1A	0~10A	0~12A	0~120A				
Resolution	0.016mA	0.16mA	0.1875mA	1.875mA				
Accuracy	0.25mA	2.5mA	0.05% + 0.05%F.S.					
Power Read Back*2								
Range	0~30W	0~300W	0~60W	0~600W				
Accuracy	0.1% + 0.1%F.S.		0.1% + 0.1%F.S.					
Protective Section								
Over Power Protection	Yes		Yes					
Over Current Protection	Yes		Yes					
Over Temperature Protection	Yes		Yes					
Over Voltage Alarm*3	Yes		Yes					
General								
Short Circuit								
Current (CC)	-	≤ 10A	-	≤ 120A				
Voltage (CV)	-	0V	-	0V				
Resistance (CR)	-	≤ 1.25 Ω	-	≤ 0.0125 Ω				
Power (CP)	-	≤ 300W	-	≤ 600W				
Input Resistance (Load Off)								
	100kΩ (Typical)		100kΩ (Typical)					
Temperature Coefficient								
	100PPM/°C (Typical)		100PPM/°C (Typical)					
Power								
	Supply from 6334A Mainframe		Supply from 6334A Mainframe					
Dimension (HxWxD)								
	172x82x489.5mm / 6.8x3.2x19.3inch		172x164x489.5mm / 6.8x6.5x19.3inch					
Weight								
	4.2 kg / 9.3 lbs		7.3 kg / 16.1 lbs					
Operating Range								
	0~40°C		0~40°C					
EMC & Safety								
	CE		CE					

SPECIFICATIONS-3

Model	63307A (30W & 250W)			63308A						
Power	30W	30W	250W	60W	600W					
Current	0~5A	0~4A	0~40A	0~2A	0~20A					
Voltage*3	0~80V			0~500V						
Min. Operation Voltage (DC) *1 (Typical)	0.4V@2.5A 0.8V@5A	0.4V@2A 0.8V@4A	0.4V@20A 0.8V@40A	1.0V@1A 2V@2A	1.0V@10A 2V@20A					
Constant Current Mode										
Range	0~5A	0~4A	0~40A	0~2A	0~20A					
Resolution	1.25mA	1mA	10mA	0.5mA	5mA					
Accuracy	0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.2%F.S.	0.1%+0.1%F.S.	0.1%+0.2%F.S.					
Constant Resistance Mode										
Range	0.3Ω ~1.2kΩ (30W/16V) 15Ω ~60kΩ (30W/80V)	0.0375Ω ~150Ω (250W/16V) 1.875Ω ~7.5kΩ (250W/80V)	0.625Ω ~2.5kΩ (600W/125V) 25Ω ~100kΩ (600W/500V)							
Resolution*5	833μS (30W/16V) 16.67μS (30W/80V)	6.667μS (250W/16V) 133μS (250W/80V)	400μS (600W/125V) 10μS (600W/500V)							
Accuracy	1.2kΩ: 0.1S + 0.2% 60kΩ: 0.01S + 0.1%	150Ω: 0.1S + 0.2% 7.5kΩ: 0.01S + 0.1%	25kΩ: 50mS+ 0.2% 100kΩ: 5mS+ 0.1%							
Constant Voltage Mode										
Range	0~80V			0~500V						
Resolution	20mV			125mV						
Accuracy	0.05% + 0.1%F.S.			0.05% + 0.1%F.S.						
Constant Power Mode										
Range	0~30W	0~30W	0~250W	0~60W	0~600W					
Resolution	7.5mW	7.5mW	62.5mW	15mW	150mW					
Accuracy	0.5% + 0.5%F.S.			0.5% + 0.5%F.S.						
Dynamic Mode										
Dynamic Mode	C.C. Mode			C.C. Mode						
T1 & T2	0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms			0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms						
Accuracy	1μs/1ms+100ppm			1μs/1ms+100ppm						
Slew Rate	0.8~200mA/μs	0.64~160mA/μs	64~1600mA/μs	0.32~80mA/μs	3.2~800mA/μs					
Resolution	0.8mA/μs	0.64mA/μs	64mA/μs	0.32mA/μs	3.2mA/μs					
Accuracy	10% ± 20μs			10% ± 20μs						
Min. Rise Time	10μs (Typical)			24μs (Typical)						
Current	0~5A	0~4A	0~40A	0~2A	0~20A					
Resolution	1.25mA	1mA	10mA	0.5mA	5mA					
Accuracy	0.4%F.S.			0.4%F.S.						
Measurement Section										
Voltage Read Back										
Range	0~16V	0~80V	0~16V	0~80V	0~500V					
Resolution	0.25mV	1.25mV	0.25mV	1.25mV	2mV					
Accuracy	0.025% + 0.025%F.S.			0.025% + 0.025%F.S.						
Current Read Back										
Range	0~5A	0~4A	0~40A	0~2A	0~20A					
Resolution	0.078125mA	0.0625mA	0.625mA	0.03125mA	0.3125mA					
Accuracy	0.05% + 0.05%F.S.			0.05% + 0.05%F.S.						
Power Read Back*2										
Range	0~30W	0~30W	0~250W	0~60W	0~600W					
Accuracy	0.1% + 0.1%F.S.			0.1% + 0.1%F.S.						
Protective Section										
Over Power Protection	Yes			Yes						
Over Current Protection	Yes			Yes						
Over Temperature Protection	Yes			Yes						
Over Voltage Alarm*3	Yes			Yes						
General										
Short Circuit										
Current (CC)	-	-	≥ 40A	-	≥ 20A					
Voltage (CV)	-	-	0V	-	0V					
Resistance (CR)	-	-	≥ 0.0375Ω	-	≥ 0.625Ω					
Power (CP)	-	-	≥ 250W	-	≥ 600W					
Input Resistance (Load Off)										
	100kΩ (Typical)									
Temperature Coefficient										
	100PPM/°C (Typical)									
Power										
	Supply from 6334A Mainframe									
Dimension (HxWxD)										
	172x82x489.5mm / 6.8x3.2x19.3inch									
Weight										
	4.5 kg / 9.9 lbs									
Operating Range										
	0~40°C									
EMC & Safety										
	CE									

SPECIFICATIONS-4

Model	63312A		63323A					
Power	120W	1200W	350W					
Current	0~24A	0~240A	0~7A	0~70A				
Voltage*3	0~80V		0~120V					
Min. Operation Voltage (DC)*1 (Typical)	0.4V@12A 0.8V@24A	0.4V@120A 0.8V@240A	0.05V @ 3.5A 0.1V @ 7A	0.3V @ 35A 0.6V @ 70A				
Constant Current Mode								
Range	0~24A	0~240A	0~7A	0~70A				
Resolution	6mA	60mA	0.125mA	1.25mA				
Accuracy	0.1%+0.1%F.S.	0.1%+0.2%F.S.	0.1%+0.1%F.S.	0.1%+0.2%F.S.				
Constant Resistance Mode								
Range	6.25mΩ ~25Ω (1200W/16V) 0.3125Ω ~1.25kΩ (1200W/80V)	0.01Ω ~150Ω (350W/24V)*4 2Ω ~2kΩ (350W/120V)						
Resolution*5	40mS (1200W/16V) 80μS (1200W/80V)	1.33mS (350W/24V)*4 10μS (350W/120V)						
Accuracy	25Ω : 0.8S+ 0.8% 1.25kΩ : 0.08S+ 0.2%	150Ω : 67mS + 0.1% 2kΩ : 5mS + 0.2%						
Constant Voltage Mode								
Range	0~80V		0~120V					
Resolution	20mV		2mV					
Accuracy	0.05% + 0.1%F.S.		0.05% + 0.1%F.S.					
Constant Power Mode								
Range	0~120W	0~1200W	0~35W	0~350W				
Resolution	30mW	300mW	2.5mW	25mW				
Accuracy	0.5% + 0.5%F.S.		0.5% + 0.5%F.S.					
Dynamic Mode								
Dynamic Mode	C.C. Mode		C.C. MODE					
T1 & T2	0.025ms ~ 50ms / Res: 5μs 0.1ms ~ 500ms / Res: 25μs 10ms ~ 50s / Res: 2.5ms	0.025ms~50ms/Res: 5μs 0.1ms~500ms / Res: 25μs 10ms~50s / Res: 2.5ms						
Accuracy	1μs/1ms+100ppm		1μs /1ms+100ppm					
Slew Rate	0.004~1A/μs	0.04~10A/μs	0.001~0.25A/μs	0.01~2.5A/μs				
Resolution	0.004A/μs	0.04A/μs	0.001A/μs	0.01A/μs				
Accuracy	10% ± 20μs		10% ± 20μs					
Min. Rise Time	10μs (Typical)		25μs (Typical) *6					
Current	0~24A	0~240A	0~7A	0~70A				
Resolution	6mA	60mA	0.125mA	1.25mA				
Current Accuracy	0.4%F.S.		0.1% F.S.					
Measurement Section								
Voltage Read Back								
Range	0~16V	0~80V	0~24V	0~120V				
Resolution	0.25mV	1.25mV	0.4mV	2mV				
Accuracy	0.025% + 0.025%F.S.		0.025%+0.015% F.S.					
Current Read Back								
Range	0~24A	0~240A	0~7A	0~70A				
Resolution	0.375mA	3.75mA	0.125mA	1.25mA				
Accuracy	0.075% + 0.075%F.S.		0.04%+0.04% F.S.					
Power Read Back*2								
Range	0~120W	0~1200W	0~35W	0~350W				
Accuracy	0.1% + 0.1%F.S.		0.1%+0.1% F.S.					
Protective Section								
Over Power Protection	Yes		Yes					
Over Current Protection	Yes		Yes					
Over Temperature Protection	Yes		Yes					
Over Voltage Alarm*3	Yes		Yes					
General								
Short Circuit								
Current (CC)	-	≥ 240A	-	≥ 70A				
Voltage (CV)	-	0V	-	0V				
Resistance (CR)	-	≥ 0.00625Ω	-	≥ 0.01Ω				
Power (CP)	-	≥ 1200W	-	≥ 350W				
Input Resistance (Load Off)	100kΩ (Typical)		800kΩ (Typical)					
Temperature Coefficient	100PPM/°C (Typical)		100PPM/°C (Typical)					
Power	Supply from 6334A Mainframe		Supply from 6334A Mainframe					
Dimension (HxWxD)	172x329x495mm / 6.8x12.9x19.5inch		172x82x489.5mm / 6.8x3.2x19.3inch					
Weight	14 kg / 30.8 lbs		4.2kg / 9.3 lbs					
Operating Range	0~40°C		0~40°C					
EMC & Safety	CE		CE					

NOTE*1 : Low voltage operation, under 0.8 volt, is possible at correspondingly reduced current level. Operating temperature range is 0°C to 40°C. All specifications apply for 25°C±5°C, except as noted

NOTE*2 : Power F.S.=Vrange F.S. x Irange F.S.

NOTE*3 : When the operating voltage exceeds the rated voltage for 1.02 times, a warning will occur and if it exceeds 1.1 times of the rated voltage, it would cause permanent damage to the device.

NOTE*4 : Please refer to user's manual for detail specifications.

NOTE*5 : S (siemens) is the SI unit of conductance, equal to one reciprocal ohm.

NOTE*6 : The loading current should be 0.35A at least.



SPECIFICATIONS

Model	63310A (100Wx2)	63313A	63315A *3
Power	100W	300W	300W
Current	0~0.6A	0~2A	0~2A
Voltage *1	0~500V	0~300V	0~600V
Min. Operating Voltage	6V@2A	4V@20A	2V@10A
LED Mode			
Range	Operating Voltage: 0~100V/0~500V R _d Coefficient : 0.001~1 V _f : 0~100V/0~500V Current : 0~2A R _d : 1Ω~1kΩ/10Ω~10kΩ	Operating Voltage : 0~60V/0~300V R _d Coefficient : 0.001~1 V _f : 0~60V/0~300V LEDL @ CH : 0~60V- 0~20A (R _d : 0.05 Ω~50 Ω) LEDL @ CL : 0~60V- 0~5A (R _d : 0.8 Ω~800 Ω) LEDH @ CL : 0~300V- 0~5A (R _d : 4 Ω~4kΩ)	Operating Voltage : 0~60V/0~600V R _d Coefficient : 0.001~1 V _f : 0~60V/0~600V LEDL @ CH : 0~60V- 0~10A (R _d : 0.05 Ω~50 Ω) LEDL @ CL : 0~60V- 0~2A (R _d : 1.6 Ω~1.6kΩ) LEDH @ CL : 0~600V- 0~2A (R _d : 8 Ω~8kΩ)
Resolution *2	V _o : 4mV/20mV I _o : 0.1mA R _d Coefficient : 0.001 R _d : 62.5μS/6.25μS V _f : 4mV/20mV	V _o : 1.2mV/6mV I _o : 100μA/400μA R _d Coefficient : 0.001 R _d : 400μS / 25μS / 5μS V _f : 1.2mV/ 6mV	V _o : 1.2mV/6mV I _o : 100μA/400μA R _d : 0.4mS/12.5μS/2.5μS V _f : 6mV/ 30mV
Constant Resistance Mode			
Range	CRL : 3Ω ~1kΩ (100W/100V) CRH : 10Ω ~10kΩ (100W/500V)	CRL @ CH : 0.2 Ω ~200 Ω (300W/60V) CRL @ CL : 0.8 Ω ~800 Ω (300W/60V) CRH @ CL : 4Ω ~4kΩ (300W/300V)	CRL @ CH : 0.4 Ω ~400 Ω (300W/60V) CRL @ CL : 1.6 Ω ~1.6kΩ (300W/60V) CRH @ CL : 8Ω ~8kΩ (300W/600V)
Resolution*2	CRL : 62.5μS CRH : 6.25μS	CRL @ CH : 100μS CRL @ CL : 25μS CRH @ CL : 5μS	CRL @ CH : 50μS CRL @ CL : 12.5μS CRH @ CL : 2.5μS
Accuracy	1kΩ : 4mS+0.2% 10kΩ : 1mS+0.1%	0.2% (setting + range)	0.2% (setting + range)
Constant Voltage Mode			
Range	0~500V	0~300V	0~600V
Resolution	20mV	6mV	12mV
Accuracy	0.05% + 0.1%F.S.	0.05% + 0.1%F.S.	0.05% + 0.1%F.S.
Constant Current Mode			
Range	0~0.6A	0~2A	0~5A
Resolution	12μA	40μA	100μA
Accuracy	0.1%+0.1% F.S.	0.1%+0.1% F.S.	0.1%+0.2% F.S.
Measurement Section			
Voltage Read Back			
Range	0~100V	0~500V	0~60V
Resolution	2mV	10mV	1.2mV
Accuracy	0.025%+0.025% F.S.	0.025%+0.025% F.S.	0.025%+0.025% F.S.
Current Read Back			
Range	0~0.6A	0~2A	0~5A
Resolution	12μA	40μA	100μA
Accuracy	0.05%+0.05% F.S.	0.05%+0.05% F.S.	0.05%+0.05% F.S.

Note*1 : If the operating voltage exceeds 1.1 times of the rated voltage, it would cause permanent damage to the device.

Note*2 : S (siemens) is the SI unit of conductance, equal to one reciprocal ohm.

Note*3 : Call for availability

Mainframe Model	6332A	6334A
Number of slots	2	4
Operating Temperature	0~40°C	0~40°C
Input Rating	1Ø 100/200Vac ± 10% V _{LN} , 47~63Hz ; 1Ø 115/230Vac ± 10% V _{LN} , 47~63Hz	1Ø 100/200Vac ± 10% V _{LN} , 47~63Hz ; 1Ø 115/230Vac ± 10% V _{LN} , 47~63Hz
Dimension (HxWxD)	194x275x550mm / 7.6x10.8x21.7inch	194x439x550mm / 7.6x17.3x21.7inch
Weight	15 kg / 33.1 lbs	21.5 kg / 47.4 lbs

ORDERING INFORMATION

6332A: Mainframe for 2 Load Modules
6334A: Mainframe for 4 Load Modules
63301A: Load Module 80V/40A/200W
63302A: Load Module 80V/20A/100W x 2
63303A: Load Module 80V/60A/300W
63305A: Load Module 500V/10A/300W
63306A: Load Module 80V/120A/600W
63307A: Load Module 80V/5A & 40A/30W & 250W
63308A: Load Module 500V/20A/600W
63312A: Load Module 80V/240A/1200W
63323A: Load Module 120V/70A/350W
A631000: GPIB Interface for Model 6334A/6332A Mainframe

A631001: Remote Controller
A631003: USB Interface for Model 6334A/6332A Mainframe
A631005: Softpanel for 6310A/6330A series
A631006: Rack Mounting Kit for Model 6332A Mainframe
A631007: Rack Mounting Kit for Model 6334A Mainframe
A632004: Sync. Link Box for 6330A/63200 Series
A800042: Test Fixture
LED Load Simulator for LED Driver Test
63310A: Load Module 500V/2A/100W x 2
63313A: Load Module 300V/20A/300W
*** 63315A:** Load Module 600V/10A/300W
* Call for availability