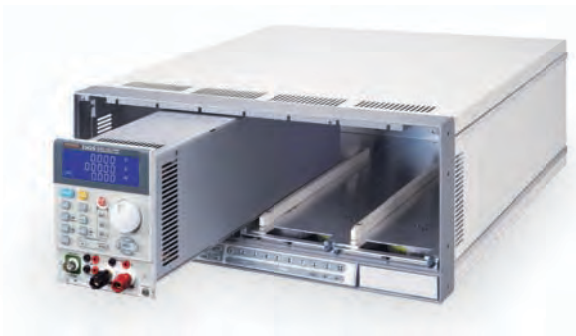


3340G Series LED DC Electronic Load Simulator

- 3341G** 300V, 24A, 300W
- 3342G** 500V, 12A, 300W
- 3343G** 500V, 24A, 300W
- 33401G** 500V, 6A, 150Wx2

Voltage can be increased to 600V (option)



Features

- LED mode load for LED Power Driver test.
- CC, CR, CV, CP, LED and Dynamic mode.
- Simulate LED Forward Bias Voltage (Vd) and Resistance (Rd).
- Fast Response for PWM dimming test.
- Built-in dimming control signal for PWM dimming test.
- Short circuit test by external relay (built-in short relay driver circuit).
- 5 digital V / A / W Meter.
- Protections against V, I, W, and °C.
- Can be configured in 3302F [single channel mainframe] 、 3305F [two channels mainframe] or 3300F [four channels mainframe] and the mainframe with 150 sets Store/Recall memory.
- Voltage can be increased to 600V (option)
- Optional Interface : GPIB 、 RS232 、 USB 、 LAN.

Descriptions

- Each 3340G Series module has its own control and display panel, LED/CC/CR/ CV/CP/ Dynamic modes, plug in 3300F with 150 sets Store/Recall memory which provides load set-up more efficiently , also can be controlled intranet via RS232 、 Ethernet 、 USB and GPIB interface.
- Short circuit test by external relay (there is an optional fixture for short), Short Time can be set and Short Voltage can be measured.
- Built-in dimming control signal output is for PWM dimming test.
- Simulate LED forward Bias voltage (Vd) and Resistance (Rd).
- 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 can call the storage memory real time in accordance with the auto sequence requirement.

Applications

- LED Driver
- Voltage / Current source
- SMPS transient response
- Current limit testing and battery emulation
- Battery charger
- Battery discharge
- R&D / Quality Control
- ATE system
- Production testing

Specifications

MODEL	3341G		3342G		3343G		33401G		
Power	300W		300W		300W		150Wx2		
Current	0 ~ 6A	0 ~ 24A	0 ~ 3A	0 ~ 12A	0 ~ 6A	0 ~ 24A	0 ~ 1.5A	0 ~ 6A	
Voltage	0 ~ 300V		0 ~ 500V		0 ~ 500V		0 ~ 500V		
Min. Operating Voltage	3V @ 24A		6V @ 12A		6V @ 24A		4V @ 6A		
Constant Current Mode									
Range*1	0 ~ 6A	0 ~ 24A	0 ~ 3A	0 ~ 12A	0 ~ 6A	0 ~ 24A	0 ~ 1.5A	0 ~ 6A	
Resolution	0.1mA	0.4mA	0.05mA	0.2mA	0.1mA	0.4mA	0.025mA	0.1mA	
Accuracy	± 0.1% OF (SETTING + RANGE)								
Constant Resistance Mode									
Range	CRL:0.125Ω~1.5KΩ (150V)	CRH:0.25Ω~3KΩ (300V)	CRL:0.5Ω~1.5KΩ (300V)	CRH:1Ω~3KΩ (500V)	CRL:0.25Ω~3KΩ (300V)	CRH:0.5Ω~6KΩ (500V)	CRL:1Ω~3KΩ (300V)	CRH:2Ω~6KΩ (500V)	
Resolution	133.333μS	66.666μS	33.333μS	16.666μS	66.666μS	33.333μS	16.666μS	8.333μS	
Accuracy	± 0.2% OF (SETTING + RANGE)								
Constant Voltage Mode									
Range	30V / 150V / 300V		60V / 300V / 500V		60V / 300V / 500V		60V / 300V / 500V		
Resolution	0.0005V / 0.0025V / 0.005V		0.001V / 0.005V / 0.01V		0.001V / 0.005V / 0.01V		0.001V / 0.005V / 0.01V		
Accuracy	± 0.05% OF (SETTING + RANGE)								
Constant Power Mode									
Range	0 ~ 300W		0 ~ 300W		0 ~ 300W		NA		
Resolution	0.005W		0.005W		0.005W		NA		
Accuracy	± 0.5% OF (SETTING + RANGE)								
LED Mode									
Vo Voltage Range	LEDL:30V/LEDM:150V/LEDH:300V		LEDL:60V/LEDM:300V/LEDH:500V		LEDL:60V/LEDM:300V/LEDH:500V		LEDL:60V/LEDM:300V/LEDH:500V		
Rd Resistance Range	LEDL : 0.125~125Ω@Vo-Vd=0~3V LEDL : 1.25~1.25KΩ@Vo-Vd=3~30V LEDM : 0.625~625Ω@Vo-Vd=0~15V LEDM : 6.25~6.25KΩ@Vo-Vd=15~150V LEDH : 1.25~1.25KΩ@Vo-Vd=0~30V LEDH : 12.5~12.5KΩ@Vo-Vd=30~300V		LEDL : 0.5~100Ω@Vo-Vd=0~6V LEDL : 5~1KΩ@Vo-Vd=6~60V LEDM : 2.5~500Ω@Vo-Vd=0~30V LEDM : 25~5KΩ@Vo-Vd=30~300V LEDH : 5~1KΩ@Vo-Vd=0~60V LEDH : 50~10KΩ@Vo-Vd=60~500V		LEDL : 0.25~125Ω@Vo-Vd=0~6V LEDL : 2.5~1.25KΩ@Vo-Vd=6~60V LEDM : 1.25~625Ω@Vo-Vd=0~30V LEDM : 12.5~6.25KΩ@Vo-Vd=30~300V LEDH : 2.5~1.25KΩ@Vo-Vd=0~60V LEDH : 25~12.5KΩ@Vo-Vd=60~500V		LEDL : 1~200Ω@Vo-Vd=0~6V LEDL : 10~2KΩ@Vo-Vd=6~60V LEDM : 5~1KΩ@Vo-Vd=0~30V LEDM : 50~10KΩ@Vo-Vd=30~300V LEDH : 10~2KΩ@Vo-Vd=0~60V LEDH : 100~20KΩ@Vo-Vd=60~500V		
Resolution	16Bits								
Accuracy	Vd : ± (0.05% OF SETTING + 0.1% OF RANGE), Rd : ± (0.05% OF SETTING + 0.1% OF RANGE)								
Dynamic Mode									
Timing									
THIGH & TLOW	0.050 ~ 9.999 / 99.99 / 999.9 / 9999mS							NA	
Resolution	0.001 / 0.01 / 0.1 / 1mS							NA	
Accuracy	1μS / 10μS / 100μS / 1mS + 50ppm							NA	
Slew Rate	4.8~300mA/μS	19.2~1200mA/μS	2.4~150mA/μS	9.6~600mA/μS	4.8~300mA/μS	19.2~1200mA/μS	NA		
Resolution	1.2mA/μS	4.8mA/μS	0.6mA/μS	2.4mA/μS	1.2mA/μS	4.8mA/μS	NA		
Accuracy	± (5%OF SETTING) ±10μS							NA	
Min. Rise Time	20μS (Typical)							NA	
Current									
Range	0 ~ 6A	0 ~ 24A	0 ~ 3A	0 ~ 12A	0 ~ 6A	0 ~ 24A	NA		
Resolution	0.1mA	0.4mA	0.05mA	0.2mA	0.1mA	0.4mA	NA		
Accuracy	± 0.1%OF (SETTING + RANGE)								
Measurement									
Voltage Read Back									
Range	30V / 150V / 300V		60V / 300V / 500V		60V / 300V / 500V		60V / 300V / 500V		
Resolution	0.5mV / 2.5mV / 5mV		1mV / 5mV / 10mV		1mV / 5mV / 10mV		1mV / 5mV / 10mV		
Accuracy	± 0.025% OF (READING + RANGE)								
Current Read Back									
Range	6A	24A	3A	12A	6A	24A	1.5A	6A	
Resolution	0.1mA	0.4mA	0.05mA	0.2mA	0.1mA	0.4mA	0.025mA	0.1mA	
Accuracy	± 0.1% OF (READING + RANGE)								
Power Read Back									
Range	300W		300W		300W		150W		
Accuracy	± 0.1% OF (READING + RANGE)								
General									
Imonitor	2.4A/V		1.2A/V		2.4A/V		0.6A/V		
Short Signal Output	12V/100 mAmax								
Dimming Control									
Level Range	0 ~ 12V								
Resolution	0.048V								
Accuracy	1% of (SETTING + RANGE)								
Frequency Range	DC ~ 1KHz								
Resolution	10Hz								
Duty Range	0.01 ~ 0.99 (1%~99%)								
Resolution	0.01								
Temperature Coefficient	100ppm/°C (typical)								
Power	Supply from mainframe								
Operating Temperature*2	0 ~ 40°C								
Safety & EMC	CE								

Input AC Power : 115/230 Vac ±10% , 50/60Hz
Cooling : Advanced Fan Cooled

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 specifications apply for 25°C±5°C

Order Information

LED DC Electronic Load Simulator

- ▶ 3341G 300V , 24A , 300W
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- ▶ 33401G 500V , 6A , 150Wx2



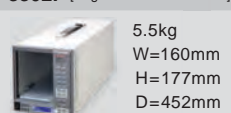
Optional Voltage : 600V

LED mode DC Electronic Load Mainframe

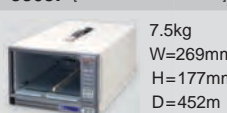
Optional Interface : ① GPIB Card ② RS232 Card ③ USB Card ④ LAN Card

Option : Fixture for short

3302F [single channel mainframe]



3305F [two channels mainframe]



3300F [four channels mainframe]

