

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 ~ 600V		0 ~ 600V		0 ~ 600V	
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 (600V)	CRL:0.25Ω~3KΩ (300V)	CRH:0.5Ω~6KΩ (600V)	CRL:1Ω~3KΩ (300V)	CRH:2Ω~6KΩ (600V)
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 / 600V		60V / 300V / 600V		60V / 300V / 600V	
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:600V		LEDL:60V/LEDM:300V/LEDH:600V		LEDL:60V/LEDM:300V/LEDH:600V	
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=60~600V		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=60~600V		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=60~600V	
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) ±10uS						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)						NA	
Measurement								
Voltage Read Back								
Range	30V / 150V / 300V		60V / 300V / 600V		60V / 300V / 600V		60V / 300V / 600V	
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 : 115V/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

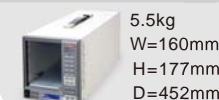
- ▶ 3341G 300V, 24A, 300W
- ▶ 3342G 500V, 12A, 300W
- ▶ 3343G 500V, 24A, 300W
- ▶ 33401G 500V, 6A, 150Wx2



LED mode DC Electronic Load Mainframe :

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

3302G [single channel mainframe]



3305G [two channels mainframe]



3300G [four channels mainframe]



Option :

Fixture for short



Specifications

MODEL	33401G		33402G	
Power	150W × 2		75W × 2	
Current	0 ~ 1.5A	0 ~ 6A	0 ~ 0.6A	0 ~ 2A
Voltage	0 ~ 600V		0 ~ 120V	
Min. Operating Voltage	4V @6A		3V @2A	
Constant Current Mode				
Range*1	0 ~ 1.5A	0 ~ 6A	0 ~ 0.6A	0 ~ 2A
Resolution	0.025mA	0.1mA	0.01mA	0.04mA
Accuracy	± 0.1% OF (SETTING + RANGE)			
Constant Resistance Mode				
Range	CRL:1Ω~3KΩ (300V)	CRH:2Ω~6KΩ (600V)	CRL:1.5Ω~1.5KΩ (60V)	CRH:3Ω~3KΩ (120V)
Resolution	16.666μS	8.333μS	33.33μS	16.66μS
Accuracy	± 0.2% OF (SETTING + RANGE)			
Constant Voltage Mode				
Range	60V / 300V / 600V		30V / 60V / 120V	
Resolution	0.001V / 0.005V / 0.01V		0.0005V / 0.001V / 0.002V	
Accuracy	± 0.05% OF (SETTING + RANGE)			
LED Mode				
Vo Voltage Range	LEDL : 60V / LEDM : 300V / LEDH : 600V		LEDL : 30V / LEDM : 60V / LEDH : 120V	
Rd Resistance Range	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 = 60~600V		LEDL : 1.25 ~ 1.5KΩ @ Vo-Vd = 0~3V LEDL : 12.5 ~ 15KΩ @ Vo-Vd = 3~30V LEDM : 2.5 ~ 3KΩ @ Vo-Vd = 0~6V LEDM : 25 ~ 30KΩ @ Vo-Vd = 6~60V LEDH : 5 ~ 6KΩ @ Vo-Vd = 0~12V LEDH : 50 ~ 60KΩ @ Vo-Vd = 12~120V	
Resolution	16Bits			
Accuracy	Vd : ± (0.05% OF SETTING + 0.1% OF RANGE), Rd : ± (0.05% OF SETTING + 0.1% OF RANGE)			
Measurement				
Voltage Read Back				
Range	60V / 300V / 600V		30V / 60V / 120V	
Resolution	1mV / 5mV / 10mV		0.5mV / 1mV / 2mV	
Accuracy	± 0.025% OF (READING + RANGE)			
Current Read Back				
Range	1.5A	6A	0.6A	2A
Resolution	0.025mA	0.1mA	0.01mA	0.04mA
Accuracy	± 0.1% OF (READING + RANGE)			
Power Read Back				
Range	150W		75W	
Accuracy	± 0.1% OF (READING + RANGE)			
General				
Short Signal Output	12V/100 mAmax			
Dimming Control				
Level Range	0 ~ 12V			
Resolution	0.048V			
Accuracy	1% of (SETTING + RANGE)			
Frequency Range	DC ~ 1KHz		DC ~ 10KHz	
Resolution	10Hz		100Hz	
Duty Range	0.01 ~ 0.99 (1%~99%)		0.1 ~ 0.9 (10%~90%)	
Resolution	0.01		0.1	
Temperature Coefficient	100ppm/°C(typical)			
Power	Supply from mainframe			
Operating Temperature*2	0 ~ 40°C			
Dimension(HxWxD)	143x108x405mm			
Weight	3.5kg			
Safety & EMC	CE			

Input AC Power : 115V/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

Optional voltage : 600V

33401G 600V , 6A , 150Wx2

33402G 120V , 2A , 75Wx2



3.5kg
W=108mm
H=143mm
D=405mm

LED mode DC Electronic Load Mainframe :

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

Option :

Fixture for short

3302G [single channel mainframe]



5.5kg
W=160mm
H=177mm
D=452mm

3305G [two channels mainframe]



7.5kg
W=269mm
H=177mm
D=452mm

3300G [four channels mainframe]



9.3kg
W=440mm
H=177mm
D=445mm

33401G / 33402G

