

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 : 0.125~1.25KΩ@Vo-Vd=0~3V LEDL : 1.25~1.25KΩ@Vo-Vd=3~30V LEDM : 0.625~6.25KΩ@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 : 1.25~6.25KΩ@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	16Bits				
Resolution	Vd : ± (0.05% OF SETTING + 0.1% OF RANGE), Rd : ± (0.05% OF SETTING + 0.1% OF RANGE)								
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		
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
- ▶ 3342G 500V · 12A · 300W
- ▶ 3343G 500V · 24A · 300W
- ▶ 33401G 500V · 6A · 150Wx2



Load Module
3.7kg
W=108mm
H=143mm
D=412mm

LED mode DC Electronic Load Mainframe

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

3302F [single channel mainframe]



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

3305F [two channels mainframe]



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

3300F [four channels mainframe]



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

Option :

Fixture for short

