

SPECIFICATIONS

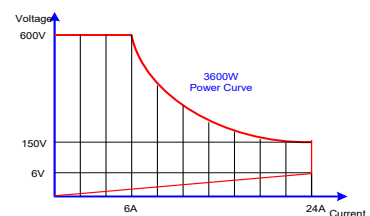
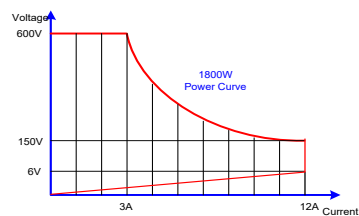
Model	33431G	33432G
Power	1800 W	3600 W
Current	0 A to 12 A	0 A to 24 A
Voltage	0 V to 600 V	0 V to 600 V
Min. Operating Voltage	6 V @ 12 A	6 V @ 24 A
Constant Current Mode		
Range ^{*1}	0 A to 3 A/12 A	0 A to 6 A/24 A
Resolution	0.05 mA/0.2 mA	0.1mA/0.4 mA
Accuracy	± 0.1 % OF (Setting + Range)	
Constant Resistance Mode		
Range	CRL: 0.5 Ω to 1.5 KΩ(300 V) / CRH:1 Ω to 3 KΩ(600 V)	CRL: 0.25 Ω to 3 KΩ(300 V) / CRH: 0.5 Ω to 6 KΩ(600 V)
Resolution ^{*3}	CRL: 3.333 μS / CRH:1.666 μS	CRL: 6.666 μS / CRH: 3.333 μS
Accuracy	± 0.2 % OF (Setting + Range)	
Constant Voltage Mode		
Range	60 V/300 V/600 V	60 V/300 V/600 V
Resolution	0.001 V/0.005 V/0.01 V	0.001 V/0.005 V/0.01 V
Accuracy	± 0.05 % OF (Setting +Range)	
Constant Power Mode		
Range	1800 W	3600 W
Resolution	30 mW	60 mW
Accuracy	± 0.5 % OF (Setting + Range)	
LED Mode		
Vo Voltage Range	LEDL:60 V / LEDM:300 V / LEDH:600 V	LEDL:60 V / LEDM:300 V / LEDH:600 V
Rd Resistance Range	LEDL : 0.5 Ω to 100 Ω @ Vo-Vd = 0 V to 6 V LEDL : 5 Ω to 1 KΩ @ Vo-Vd = 6 V to 60 V LEDM: 2.5 Ω to 500 Ω @ Vo-Vd = 0 V to 30 V LEDM: 25 Ω to 5 KΩ @ Vo-Vd = 30 V to 300 V LEDH: 5 Ω to 1 KΩ @ Vo-Vd = 0 V to 60 V LEDH: 50 Ω to 10 KΩ @ Vo-Vd = 60 V to 600 V	LEDL : 0.25 Ω to 125 Ω @ Vo-Vd = 0 V to 6 V LEDL : 2.5 Ω to 1.25 KΩ @ Vo-Vd = 6 V to 60 V LEDM: 1.25 Ω to 625 Ω @ Vo-Vd = 0 V to 30 V LEDM: 12.5 Ω to 6.25 KΩ @ Vo-Vd = 30 V to 300 V LEDH: 2.5 Ω to 1.25 KΩ @ Vo-Vd = 0 V to 60 V LEDH: 25 Ω to 12.5 KΩ @ Vo-Vd = 60 V to 600 V
Resolution	16 Bits	
Accuracy	Vd : ± (0.05 % OF SETTING + 0.1 % OF RANGE), Rd : ± (0.05 % OF SETTING + 0.1 % OF RANGE)	
Dynamic Mode - CC		
Timing		
Thigh & Tlow	0.050 ms to 9.999 ms/ 99.99 ms/ 999.9 ms/ 9999 ms	
Resolution	0.001 ms/ 0.01 ms/ 0.1 ms/ 1 ms	
Accuracy	1 μs/10 μs/100 μs/1 ms + 50 ppm	
Slew rate	2.4 mA/μs to 150 mA/μs, 9.6 mA /μs to 600 mA/μs	4.8 mA/μs to 300 mA/μs, 19.2 mA/μs to 1200 mA/μs
Resolution	0.6 mA/μs, 2.4 mA/μs	1.2 mA/μs, 4.8 mA/μs
Min. Rise Time	20 μs (typical)	20 μs (typical)
Current		
Range ^{*2}	0 A to 3 A/12 A	0 A to 6 A/24 A
Resolution	0.05 mA/0.2 mA	0.1 mA/0.4 mA
Measurement		
Voltage Read Back		
Range (5 Digital)	60 V/300 V/600 V	60 V/300 V/600 V
Resolution	1 mV/5 mV/10 mV	1 mV/5 mV/10 mV
Accuracy	± 0.025 % OF (Reading + Range)	
Current Read Back		
Range (5 Digital)	0 A to 3 A/12 A	0 A to 6 A/24 A
Resolution	0.05 mA/0.2 mA	0.1 mA/0.4 mA
Accuracy	± 0.1 % OF (Reading + Range)	
Power Read Back		
Range (5 Digital)	0 W to 1800 W	0 W to 3600 W
Resolution	0.01 W	
Accuracy	± 0.125 % OF (Reading + Range)	
Program mode(Mainframe)		
Sequence No.	F1 to F9/16 Steps	
T1/T2 (Dwell)	0.1 sec. to 9.9 sec./Repeat 9999	
Load Setting(External Progra	0 V to 10 V for CC mode F.S.	
GO/NG Check	Voltage/Current/Power	

Protections		
Over Power	105 % of Rated Power	
Over Current	105 % of Rated Current	
Over Voltage	105 % of Rated Voltage	
Over Temp.	Yes	
Interface		
RS-232	Optional	
GPIB	Optional	
USB	Optional	
Ethernet	Optional	
Others		
Load ON Voltage		
Range	0.4 V to 100.0 V	0.4 V to 100.0 V
Resolution	0.4 V	0.4 V
Accuracy	1 % of Setting + 0.25 V	
Load OFF Voltage		
Range	0.4 V to 100.0 V	0.4 V to 100.0 V
Resolution	Same as Voltage Meter	
Accuracy	Same as Voltage Meter	
General		
Imonitor	1.2 A/V	2.4 A/V
Accuracy	± 0.5 % of (READING+RANGE)	
short Single Output	12 V/100 mA	12 V/100 mA
Short Circuit		
Current	12 A	24 A
Dimming Control		
Level Range	0 V to 12 V	
Resolution	0.048 V	
Accuracy	1 % of (SETTING + RANGE)	
Frequency Range	DC to 1 KHz	
Resolution	10 Hz	
Duty Range	0.01 to 0.99(1 % to 99 %)	
Resolution	0.01	
Temperature Coefficient	100 ppm/°C(typical)	
Power	100 W/max	200 W/max
Operating Temperature ^{*2}	0 °C to 40 °C	
Dimension(HxWxD)	177 mm x 440 mm x 445 mm	889 mm x 596 mm x 600 mm
Weight	23.6 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 specifications apply for 25°C±5°C

Note ^{*3} : μS (microsiemens) is the unit of conductance(G), one siemens equal to $1/\Omega$



All specifications are subject to change without notice.