

SPECIFICATIONS

Model	3310G		3311G		3312G	
Power	150W, 300W max. *1		300W, 600W max. *1		300W, 600W max. *1	
Current	30A, 60A max. *1		60A, 120A max *1		12A, 24A max. *1	
Voltage	60V		60V		250V	
Min. Operating Voltage	0.3V @ 30A		0.3V @ 60A		1V @ 12A	
Protections						
Over Power Protection(OPP)	105%		105%		105%	
Over Current Protection(OCP)	105%		105%		105%	
Over Voltage Protection(OVP)	105%		105%		105%	
Over Temp Protection(OTP)	YES		YES		YES	
Constant Current Mode						
Range *2	0 ~ 3A	0 ~ 30A	0 ~ 6A	0 ~ 60A	0 ~ 1.2A	0 ~ 12A
Resolution	0.05mA	0.5mA	0.1mA	1mA	0.02mA	0.2mA
Accuracy *3	± 0.05% of (setting + Range)					
Constant Resistance Mode						
Range	2 ~120KΩ	0.02Ω ~ 2Ω	1Ω ~ 60 KΩ	0.0083Ω ~ 1Ω	25Ω ~ 1500KΩ	0.08Ω ~ 25Ω
Resolution	0.00833mS	0.033mΩ	0.0166mS	0.0166mΩ	0.00066mS	0.4166mΩ
Accuracy	± 0.2% of (Setting + Range)					
Constant Voltage Mode						
Range	0 ~ 6V	0 ~ 60V	0 ~ 6V	0 ~ 60V	0 ~ 30V	0 ~ 250V
Resolution	0.0001V	0.001V	0.0001V	0.001V	0.001V	0.01V
Accuracy	± 0.025% of (Setting + Range)					
Constant Power Mode						
Range	0 ~ 15W	0 ~ 150W	0 ~ 30W	0 ~ 300W	0 ~ 30W	0 ~ 300W
Resolution	0.00025W	0.0025W	0.0005W	0.005W	0.0005W	0.005W
Accuracy *4	± 0.1% of (Setting + Range)					
Constant Voltage + Current Limit Mode						
Range	60V	30A	60V	60A	250V	12A
Resolution	0.001V	0.5mA	0.001V	1mA	0.01V	0.2mA
Accuracy	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)
Constant Voltage + Power Limit Mode						
Range	60V	150W	60V	300W	250V	300W
Resolution	0.001V	0.0025W	0.001V	0.005W	0.01V	0.005W
Accuracy	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)
Turbo mode*1	OFF	ON	OFF	ON	OFF	ON
Short/OCP/OPP Test Function						
Maximum Current	30A		60A		120A	
Meas. Accuracy	± 1.0% of (Reading + Range)					
Short time	100ms~10 Sec. or Continue		100~2000mS		100ms~10 Sec. or Continue	
Meas. Accuracy	NA		NA		NA	
OCP Time (Tstep)	100mS		20mS		100mS	
Meas. Accuracy	NA		NA		NA	
OPP Time (Tstep)	100mS		20mS		100mS	
Meas. Accuracy	NA		NA		NA	
BMS Test Mode *5						
Short time	100ms~10 Sec. or Continue	0.05mS~10ms	100~1000ms	0.05mS~10ms	100ms~10 Sec. or Continue	0.05mS~10ms
Meas. Accuracy	NA	±0.020mS	NA	±0.020mS	NA	±0.020mS
OCP Time (Tstep)	100mS	0.05mS~10mS / 11~1000mS	20mS	0.05mS~10mS / 11~1000mS	100mS	0.05mS~10mS / 11~1000mS
Meas. Accuracy	NA	±0.005mS / ±0.2mS	NA	±0.005mS / ±0.2mS	NA	±0.005mS / ±0.2mS
Fuse Test Mode *6						
Trip & Non-Trip Time	1~5999ms, 6~16383sec		1~2000mS		1~5999ms, 6~16383sec	
Meas. Accuracy	±0.04mS(<200mS), ±20mS(>200mS)					
Repeat Time	0~255					
Surge Test Mode						
Surge current	0~60A		0~120A		0~24A	
Normal current	0~30A		0~60A		0~12A	
Surge Time	10~2000ms					
Surge Step	1~5					
MPPT Mode						
Algorithm	P & O					
Load mode	CV					
P&O Interval	1000ms ~ 60000ms					
Resolution	1000mS					
Dynamic Mode (50KHz)						
Timing						
Thigh & Tlow	0.010~9.999 / 99.99 / 999.9 / 9999mS					
Resolution	0.001 / 0.01 / 0.1 / 1mS					
Slew rate	0.008 ~ 0.5A/uS	0.08 ~ 5A/uS	0.016 ~ 1A/uS	0.16 ~ 10A/uS	0.0008 ~ 0.05A/uS	0.008 ~ 0.5A/uS
Accuracy	± (5% of Setting) ±10uS					
Measurement						
Voltage Read Back						
Range (5 Digital)	6V	60V	6V	60V	30V	250V
Resolution	0.0001V	0.001V	0.0001V	0.001V	0.001V	0.01V
Accuracy	± 0.025% of (Reading + Range)					
Current Read Back						
Range (5 Digital)	3A	30A	6A	60A	1.2A	12A
Resolution	0.0001A	0.001A	0.0001A	0.001A	0.00002A	0.0002A
Accuracy	± 0.05% of (Reading + Range)					
Power Read Back						
Range (5 Digital)	15W	150W	30W	300W	30W	300W
Resolution	0.0001W	0.001W	0.001W	0.01W	0.001W	0.01W
Accuracy *7	± 0.125% of (Reading + Range)					
Current Monitor	FULL SCALE 10V					
Accuracy	0.5% of (Setting + Range)					
Current Programming Input	FULL SCALE 10V					
Programmable Short	BUILT-IN					
Load ON Voltage	0.1 ~ 25V		0.1 ~ 25V		0.2 ~ 50V	
Accuracy	1% of (Setting + Range)					
Load OFF Voltage	0 ~ 25V		0 ~ 25V		0 ~ 50V	
Accuracy	0.025% of (Setting + Range)					
Typical Short Resistance (Cont.)	0.0166 Ω		0.0083 Ω		0.08 Ω	
Max. Short Current (Cont.)	30 A		60A		12A	
Dimension (HxWxD)	143 x 108 x 412 mm		143 x 108 x 412 mm		143 x 108 x 412 mm	

*1 Turbo mode for up to 2X Current rating & Power rating support Fuse, BMS, Short/OCP/OPP test function

*2 The range is automatically or forcing to range II only in CC mode

*3 If the operating current is below range 0.1%, the accuracy specification is 0.1% F.S.

*4 If the operating power below range 2%, the accuracy specification is 0.2% of setting + range.

*5 BMS Test function for Battery Management System Board SHORT, OCCP and OCDD Test

*6 Fuse Test function for Fuse and Breaker test

*7 Power range = Vrange F.S. x Irange F.S.

*8 Operating temperature range is 0~40°C, all specification apply for 25°C±5°C, Except as noted

*9 CC, CV, CP, and DAM have increased accuracy. In the program R2.00 (3310G), R2.00 (3311G), R1.11 (3312G), R1.11 (3314G), R2.00 (3315G) Effective from now on

SPECIFICATIONS

Model	3314G				3315G			
Power	300W, 600W max. *1				75W, 150W max. *1			
Current	12A / 24A max. *1				15A / 30A max. *1			
Voltage	500V				60V			
Min. Operating Voltage	6V @ 12A				0.25V @ 15A			
Protections								
Over Power Protection(OPP)	105%				105%			
Over Current Protection(OCP)	105%				105%			
Over Voltage Protection(OVP)	105%				105%			
Over Temp Protection(OTP)	YES				YES			
Constant Current Mode								
Range *2	0 ~ 1.2A		0 ~ 12A		0 ~ 1.5A		0 ~ 15A	
Resolution	0.02mA		0.2mA		0.0254mA		0.25mA	
Accuracy *3	± 0.05% of (setting + Range)							
Constant Resistance Mode								
Range	50 ~ 3000KΩ		0.5Ω ~ 50Ω		4Ω ~ 240 KΩ		0.02Ω ~ 4Ω	
Resolution	0.000333mS		0.8333mΩ		0.04166mS		0.0666mΩ	
Accuracy	± 0.2% of (Setting + Range)							
Constant Voltage Mode								
Range	0 ~ 60V		0 ~ 500V		0 ~ 6V		0 ~ 60V	
Resolution	0.001V		0.01V		0.0001V		0.001V	
Accuracy	± 0.025% of (Setting + Range)							
Constant Power Mode								
Range	0 ~ 30W		0 ~ 300W		0 ~ 7.5W		0 ~ 75W	
Resolution	0.001W		0.01W		0.000125W		0.00125W	
Accuracy *4	± 0.1% of (Setting + Range)							
Constant Voltage + Current Limit Mode								
Range	500V		12A		60V		15A	
Resolution	0.01V		0.2mA		0.001V		0.25mA	
Accuracy	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)	
Constant Voltage + Power Limit Mode								
Range	500V		300W		60V		75W	
Resolution	0.01V		0.01W		0.001V		0.00125W	
Accuracy	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)	
Turbo mode *1								
Short/OCP/OPP Test Function								
Maximum Current	12A		24A		15A		30A	
Meas. Accuracy	± 1.0% of (Reading + Range)							
Short Time	100ms~10 Sec.		100~2000mS		100ms~10 Sec.		100~2000mS	
Meas. Accuracy	NA		NA		NA		NA	
OCP Time(Tstep)	100mS		20mS		100mS		20mS	
Meas. Accuracy	NA		NA		NA		NA	
OCP Time(Tstep)	100mS		20mS		100mS		20mS	
Meas. Accuracy	NA		NA		NA		NA	
BMS Test Mode *5								
	OFF	ON	OFF	ON	OFF	ON	OFF	ON
Short Time	100ms~10 Sec. or Continue	0.05mS ~ 10mS	100~1000ms	0.05mS ~ 10mS	100ms~10 Sec. or Continue	0.05mS ~ 10mS	100~1000ms	0.05mS ~ 10mS
Meas. Accuracy	NA	±0.020mS	NA	±0.020mS	NA	±0.020mS	NA	±0.020mS
OCP Time(Tstep)	100mS	0.05mS~10mS / 11~1000mS	20mS	0.05mS~10mS / 11~1000mS	100mS	0.05mS~10mS / 11~1000mS	20mS	0.05mS~10mS / 11~1000mS
Meas. Accuracy	NA	±0.005mS / ±0.2mS	NA	±0.005mS / ±0.2mS	NA	±0.005mS / ±0.2mS	NA	±0.005mS / ±0.2mS
Fuse Test Mode *6								
Trip & Non-Trip Time	1~5999ms, 6~16383sec		1~2000mS		1~5999ms, 6~16383sec		1~2000mS	
Meas. Accuracy	±0.04mS(<200mS), ±20mS(>200mS)							
Repeat Time	0~255							
Surge Test Mode								
Surge current	0~24A				0~30A			
Normal current	0~12A				0~15A			
Surge Time	10~2000ms							
Surge Step	1~5							
MPPT Mode								
Algorithm	P & O							
Load mode	CV							
P&O interval	1000ms ~ 60000ms							
Resolution	1000mS							
Dynamic Mode (50KHz)								
Timing								
Thigh & Tlow	0.010~9.999 / 99.99 / 999.9 / 9999mS							
Resolution	0.001 / 0.01 / 0.1 / 1mS							
Slew rate	0.0008 ~ 0.05A/uS		0.008 ~ 0.5A/uS		0.004 ~ 0.25A/uS		0.04 ~2.5A/uS	
Accuracy	± (5% of Setting) ±10uS							
Measurement								
Voltage Read Back								
Range (5 Digital)	60V		600V		6V		60V	
Resolution	0.001V		0.01V		0.0001V		0.001V	
Accuracy	± 0.025% of (Reading + Range)							
Current Read Back								
Range (5 Digital)	1.2A		30A		1.5A		15A	
Resolution	0.0001A		0.001A		0.00001A		0.001A	
Accuracy	± 0.05% of (Reading + Range)							
Power Read Back								
Range (5 Digital)	30W		300W		7.5W		75W	
Resolution	0.0001A		0.001A		0.0001W		0.001W	
Accuracy *7	± 0.1% of (Reading + Range)							
Current Monitor	FULL SCALE 10V							
Accuracy	0.5% of (Setting + Range)							
Current Programming Input	FULL SCALE 10V							
Programmable Short	BUILT-IN							
Load ON Voltage	0.4 ~ 100V				0.1 ~ 25V			
Accuracy	1% of (Setting + Range)							
Load OFF Voltage	0 ~ 100V				0 ~ 25V			
Accuracy	0.025% of (Setting + Range)							
Typical Short Resistance	0.5 Ω				0.02Ω			
Maximum Short Current	12A				15A			
Dimension(HxWxD)	143 x 108 x 412 mm				143 x 108 x 412 mm			

*1 Turbo mode for up to 2X Current rating & Power rating support Fuse, BMS, Short/OCP/OPP test function

*2 The range is automatically or forcing to range II only in CC mode

*3 If the operating current is below range 0.1%, the accuracy specification is 0.1% F.S.

*4 If the operating power below range 2%, the accuracy specification is 0.2% of setting + range.

*5 BMS Test function for Battery Management System Board SHORT, OCCP and OCDD Test

*6 Fuse Test function for Fuse and Breaker test

*7 Power range = Vrange F.S. x Irange F.S.

*8 Operating temperature range is 0~40°C, all specification apply for 25°C±5°C, Except as noted

*9 CC, CV, CP, and DAM have increased accuracy. In the program R2.00 (3310G), R2.00 (3311G), R1.11 (3312G), R1.11 (3314G), R2.00 (3315G) Effective from now on

SPECIFICATIONS

Model		3316G		3318G	
Power		400W, 800W max. *1		400W, 800W max. *1	
Current		80A /160A max. *1		20A / 40A max. *1	
Voltage		80V		500V	
Min. Operating Voltage		0.8V @ 80A		4V 20A	
Protections					
Over Power Protection(OPP)		105%		105%	
Over Current Protection(OCP)		105%		105%	
Over Voltage Protection(OVP)		105%		105%	
Over Temp Protection(OTP)		YES		YES	
Constant Current Mode					
Range *2		0 ~ 8.04A	0 ~ 80A	0 ~ 2.04A	0 ~20A
Resolution		0.134mA	1.34mA	0.034mA	0.34mA
Accuracy *3		± 0.05% of (setting + Range)			
Constant Resistance Mode					
Range		1Ω~ 60KΩ	0.0083Ω ~ 1Ω	30Ω ~ 1800KΩ	0.3Ω ~ 30Ω
Resolution		0.0166mS	0.0166mΩ	0.000555mS	0.5mΩ
Accuracy		± 0.2% of (Setting + Range)			
Constant Voltage Mode					
Range		0 ~ 8.04V	0 ~ 80V	60V	500V
Resolution		0.000134V	0.00134V	0.001V	0.01V
Accuracy		± 0.025% of (Setting + Range)			
Constant Power Mode					
Range		0 ~ 40.02W	0 ~ 400W	0 ~ 40.02W	0 ~ 400W
Resolution		0.667mW	6.67mW	0.667mW	6.67mW
Accuracy *4		± 0.1% of (Setting + Range)			
Constant Voltage + Current Limit Mode					
Range		80V	80A	500V	20A
Resolution		0.00134V	1.34mA	0.01V	0.34mA
Accuracy		± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)
Constant Voltage + Power Limit Mode					
Range		80V	400W	500V	400W
Resolution		0.00134V	6.67mW	0.01V	6.67mW
Accuracy		± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)
Maximum Current	Turbo OFF	80A		20A	
	Turbo ON *1	160A		40A	
Meas. Accuracy		± 3.0% of (Reading + Range)			
Short/OCP/OPP Test Function					
Short Time	Turbo OFF	100ms~10 Sec. or Continue			
	Turbo ON *1	100~2000mS			
Meas. Accuracy		NA			
OCP Time(Tstep)	Turbo OFF	100mS			
	Turbo ON *1	20mS			
Meas. Accuracy		NA			
OPP Time(Tstep)	Turbo OFF	100mS			
	Turbo ON *1	20mS			
Meas. Accuracy		NA			
BMS Test Mode *5					
Short Time	Turbo OFF	0.05mS ~ 10mS			
	Turbo ON *1	0.05mS ~ 10mS			
Meas. Accuracy		±0.005mS			
OCP Time(Tstep)	Turbo OFF	0.05mS~10ms / 11~1000ms			
	Turbo ON *1	0.05mS~10ms / 11~1000ms			
Meas. Accuracy		±0.005mS / ±0.2mS			
Fuse Test Mode *6					
Trip & Non-Trip Time	Turbo OFF	r1 : 1~5999ms, r2 : 6~16383sec			
	Turbo ON *1	1~2000mS			
Meas. Accuracy		r1 : ±0.2mS(<200mS), ±20mS(>200mS), r2 : ±0.5S			
Repeat Cycle		0~255			
Surge Test Mode					
Surge current		0~160A		0~40A	
Normal current		0~80A		0~20A	
Surge Time		10~2000ms			
Surge Step		1~5			
MPPT Mode					
Algorithm		P&O			
Load mode		CV			
P&O interval		1000ms ~ 60000ms			
Resolution		1000ms			
Dynamic Mode (50KHz)					
Timing					
Thigh & Tlow		0.010~9.999 / 99.99 / 999.9 / 9999mS			
Resolution		0.001 / 0.01 / 0.1 / 1mS			
Slew rate		5.4 ~ 337.5mA/us	54~ 3375mA/us	1.28 ~ 80mA/us	12.8 ~ 800mA/us
Accuracy		± (5% of Setting) ±10uS			

Measurement				
Voltage Read Back				
Range (5 Digital)	8.04V	80V	60V	500V
Resolution	0.000134V	0.00134V	0.001V	0.01V
Accuracy	± 0.025% of (Reading + Range)			
Current Read Back				
Range (5 Digital)	8.04A	80A	2.1A	20A
Resolution	0.000134A	0.00134A	0.000034A	0.00034A
Accuracy	± 0.05% of (Reading + Range)			
Power Read Back				
Range (5 Digital)	400W		400W	
Resolution	0.01W		0.01W	
Accuracy *7	± 0.1% of (Reading + Range)			
Current Monitor	FULL SCALE 10V			
Accuracy	0.5% of (Setting + Range)			
Current Programming Input	FULL SCALE 10V			
Programmable Short	BUILT-IN			
Load ON Voltage	0.1 ~ 25V		0.4 ~ 100V	
Accuracy	1% of (Setting + Range)			
Load OFF Voltage	0 ~ 24.866V		0 ~ 99V	
Accuracy	0.025% of (Setting + Range)			
Typical Short Resistance	0.009Ω		0.15Ω	
Maximum Short Current	80A		20A	
Dimension(HxWxD)	143 x 108 x 412 mm		143 x 108 x 412 mm	
Operating Temperature * 8	0 ~ 40 ℃			

*1 Turbo mode for up to 2X Current rating & Power rating support Fuse, BMS, Short/OCP/OPP test function

*2 The range is automatically or forcing to range II only in CC mode

*3 If the operating current is below range 0.1%, the accuracy specification is 0.1% F.S.

*4 If the operating power below range 2%, the accuracy specification is 0.2% of setting + range.

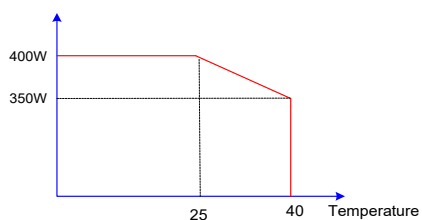
*5 BMS Test for Battery Management System Board SHORT and OCCP, OCPD Test

*6 Fuse Test function for Fuse, Breaker test

*7 Power range = Vrange F.S. x Irange F.S.

*8 Operating temperature range is 0~40°C, all specification apply for 25°C±5°C, Except as noted

*9 CC, CV, CP, and DAM have increased accuracy. In the program R1.07 (3316G), R1.09 (3317G), R1.06 (3318G), R1.07 (3319G) Effective from now on



SPECIFICATIONS

Model		3317G		3319G	
Power		800W,1600W max. *1		800W, 1600W max. *1	
Current		160A /320A max. *1		40A / 80A max. *1	
Voltage		80V		500V	
Min. Operating Voltage		1.0V @ 160A		4V 40A	
Protections					
Over Power Protection(OPP)		105%		105%	
Over Current Protection(OCP)		105%		105%	
Over Voltage Protection(OVP)		105%		105%	
Over Temp Protection(OTP)		YES		YES	
Constant Current Mode					
Range *2		0 ~ 16.02A	0 ~ 160A	0 ~ 4.02A	0 ~ 40A
Resolution		0.267mA	26.7mA	0.067mA	0.67mA
Accuracy *3		± 0.05% of (setting + Range)			
Constant Resistance Mode					
Range		0.5Ω~ 30KΩ	0.00416Ω ~ 0.5Ω	15Ω~ 900KΩ	0.15Ω ~ 15Ω
Resolution		0.0166mS	0.0083mΩ	0.00111mS	0.25mΩ
Accuracy		± 0.2% of (Setting + Range)			
Constant Voltage Mode					
Range		0 ~ 8.04V	0 ~ 80V	0 ~ 60V	0 ~ 500V
Resolution		0.000134V	0.00134V	0.001V	0.01V
Accuracy		± 0.025% of (Setting + Range)			
Constant Power Mode					
Range		0 ~ 80.04W	0 ~ 800W	0 ~ 80.04W	0 ~ 800W
Resolution		1.334mW	13.34mW	1.334mW	13.34mW
Accuracy *4		± 0.1% of (Setting + Range)			
Constant Voltage + Current Limit Mode					
Range		80V	160A	500V	40A
Resolution		0.00134V	2.67mA	0.01V	0.67mA
Accuracy		± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)
Constant Voltage + Power Limit Mode					
Range		80V	800W	500V	800W
Resolution		0.00134V	13.34mW	0.01V	13.34mW
Accuracy		± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)	± 0.05% of (Setting + Range)	± 1.0% of (Setting + Range)
Maximum Current	Turbo OFF	160A		40A	
	Turbo ON *1	320A		80A	
Meas. Accuracy		± 3.0% of (Reading + Range)			
Short/OCP/OPP Test Function					
Short Time	Turbo OFF	100ms~10 Sec. or Continue			
	Turbo ON *1	100~2000ms			
Meas. Accuracy		NA			
OCP Time(Tstep)	Turbo OFF	100mS			
	Turbo ON *1	20mS			
Meas. Accuracy		NA			
OPP Time(Tstep)	Turbo OFF	100mS			
	Turbo ON *1	20mS			
Meas. Accuracy		NA			
BMS Test Mode *5					
Short Time	Turbo OFF	0.05mS ~ 10mS			
	Turbo ON *1	0.05mS ~ 10mS			
Meas. Accuracy		±0.005mS			
OCP Time(Tstep)	Turbo OFF	0.05mS~10ms / 11~1000ms			
	Turbo ON *1	0.05mS~10ms / 11~1000ms			
Meas. Accuracy		±0.005mS / ±0.2mS			
Fuse Test Mode *6					
Trip & Non-Trip Time	Turbo OFF	r1 : 1~5999ms, r2 : 6~16383sec			
	Turbo ON *1	1~2000mS			
Meas. Accuracy		r1 : ±0.2mS(<200mS), ±20mS(>200mS), r2 : ±0.5S			
Repeat Cycle		0~255			
Surge Test Mode					
Surge current		0~320A		0~80A	
Normal current		0~160A		0~40A	
Surge Time		10~2000ms			
Surge Step		1~5			
MPPT Mode					
Algorithm		P&O			
Load mode		CV			
P&O interval		1000ms ~ 60000ms			
Resolution		1000ms			
Dynamic Mode (50KHz)					
Timing					
Thigh & Tlow		0.010~9.999 / 99.99 / 999.9 / 9999mS			
Resolution		0.001 / 0.01 / 0.1 / 1mS			
Slew rate		10.8 ~ 675mA/us	10.8 ~ 6750mA/us	2.56 ~ 160mA/us	25.6 ~ 1600mA/us
Accuracy		± (5% of Setting) ±10uS			

Measurement				
Voltage Read Back				
Range (5 Digital)	8.04V	80V	60V	500V
Resolution	0.000134V	0.00134V	0.001V	0.01V
Accuracy	± 0.025% of (Reading + Range)			
Current Read Back				
Range (5 Digital)	16.02A	160A	4.02A	40A
Resolution	0.000267A	0.00267A	0.000067A	0.00067A
Accuracy	± 0.05% of (Reading + Range)			
Power Read Back				
Range (5 Digital)	800W		800W	
Resolution	0.01W		0.01W	
Accuracy *7	± 0.1% of (Reading + Range)			
Current Monitor	FULL SCALE 10V			
Accuracy	0.5% of (Setting + Range)			
Current Programming Input	FULL SCALE 10V			
Programmable Short	BUILT-IN			
Load ON Voltage	0.1 ~ 25V		0.4 ~ 100V	
Accuracy	1% of (Setting + Range)			
Load OFF Voltage	0 ~ 24.866V		0 ~ 99V	
Accuracy	0.025% of (Setting + Range)			
Typical Short Resistance	0.006Ω		0.15Ω	
Maximum Short Current	160A		40A	
Dimension(HxWxD)	143 x 216 x 412 mm		143 x 216 x 412 mm	
Operating Temperature * 8	0 ~ 40 ℃			

*1 Turbo mode for up to 2X Current rating & Power rating support Fuse, BMS, Short/OCP/OPP test function

*2 The range is automatically or forcing to range II only in CC mode

*3 If the operating current is below range 0.1%, the accuracy specification is 0.1% F.S.

*4 If the operating power below range 2%, the accuracy specification is 0.2% of setting + range.

*5 BMS Test for Battery Management System Board SHORT and OCCP, OCPD Test

*6 Fuse Test function for Fuse, Breaker test

*7 Power range = Vrange F.S. x Irange F.S.

*8 Operating temperature range is 0~40°C, all specification apply for 25°C±5°C, Except as noted

*9 CC, CV, CP, and DAM have increased accuracy. In the program R1.07 (3316G), R1.09 (3317G), R1.06 (3318G), R1.07 (3319G) Effective from now on

