

Model	PEL-5004G-150-400		PEL-5005G-150-500		PEL-5006G-150-600	
Power ¹	0 – 4kW	0 – 6kW max. ¹¹	0 – 5kW	0 – 7.5kW max. ¹¹	0 – 6kW	0 – 9kW max. ¹¹
Current	0 – 400A	0 – 600A max. ¹¹	0 – 500A	0 – 750A max. ¹¹	0 – 600A	0 – 900A max. ¹¹
Voltage	0 – 150V		0 – 150V		0 – 150V	
Min. Operating Voltage	0.7V@400A		0.7V@500A		0.7V@600A	
Protections						
Over Power Protection(OPP)					105%	
Over Current Protection(OCP)					104%	
Over Voltage Protection(OVP)					105%	
Over Temp Protection(OTP)					90°C±5°C	
Constant Current Mode						
Range ²	0 – 40A	0 – 400A	0 – 50A	0 – 500A	0 – 60A	0 – 600A
Resolution	0.64mA	6.4mA	0.80mA	8.0mA	0.96mA	9.6mA
Accuracy ³	± 0.05% of (Setting + Range)					
Constant Resistance Mode						
Range	22.5kΩ – 0.375Ω	0.375Ω – 0.0018Ω	18kΩ – 0.3Ω	0.3Ω – 0.0015Ω	15kΩ – 0.25Ω	0.25Ω – 0.0012Ω
Resolution	44μS	6.25μΩ	56μS	5μΩ	67μS	4.167μΩ
Accuracy	± 0.1% (Vin / Setting) ± 0.1% I.F.S. ± 0.1% of (Setting + Range) ± 0.1% I.F.S. ± 0.1% of (Setting + Range) ± 0.1% I.F.S. ± 0.1% (Vin / Setting) ± 0.1% I.F.S. ± 0.1% of (Setting + Range) ± 0.1% I.F.S.					
Constant Voltage Mode						
Range	0 – 150V					
Resolution	2.5mV					
Accuracy	± 0.05% of (Setting + Range)					
Constant Power Mode						
Range	0 – 400W	400 – 4kW	0 – 500W	500 – 5kW	0 – 600W	600 – 6kW
Resolution	6.4mW	64mW	8mW	80mW	9.6mW	96mW
Accuracy ⁴	± 0.2% of (Setting + Range)					
Constant Voltage Mode + Current Limit Mode						
Range	150V	400A	150V	500A	150V	600A
Resolution	2.5mV	6.4mA	2.5mV	8mA	2.5mV	9.6mA
Accuracy ⁴	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)	
Constant Voltage Mode + Power Limit Mode						
Range	150V	4kW	150V	5kW	150V	6kW
Resolution	2.5mV	64mW	2.5mV	80mW	2.5mV	96mW
Accuracy ⁴	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)	
Turbo Mode⁵						
Short / OCP / OPP Test Function	OFF	ON	OFF	ON	OFF	ON
Max. Current						
Max. Current	400A	600A	500A	750A	600A	900A
Max. Power	4000W	6000W	5000W	7500W	6000W	9000W
Test Accuracy ⁶	± 1.0% of (Reading + Range)					
Short Time						
Short Time	100 – 10000ms	100 – 2000ms	100 – 10000ms	100 – 2000ms	100 – 10000ms	100 – 2000ms
Setting, Accuracy	Continuous		Continuous		Continuous	
Short V Hi	±5ms					
Short V Lo	Setting range : 0.00V - 150.00V / Resolution : 0.0025V					
OCP Time (Tstep)	100ms	20ms	100ms	20ms	100ms	20ms
Setting, Accuracy	±5ms					
OCP ISTAR / ISTEP / ISTOP	Setting range : 0.00A - 400.00A / Resolution : 6.4mA	Setting range : 0.00A - 600.00A / Resolution : 9.6mA	Setting range : 0.00A - 500.00A / Resolution : 8.0mA	Setting range : 0.00A - 750.00A / Resolution : 12mA	Setting range : 0.00A - 600.00A / Resolution : 9.6mA	Setting range : 0.00A - 900.00A / Resolution : 14.4mA
OCP VTH	Setting range : 0.00V - 150.00V / Resolution : 0.0025V					
OPP Time (Tstep)	100ms	20ms	100ms	20ms	100ms	20ms
Setting, Accuracy	±5ms					
OPP PSTAR / PSTEP / PSTOP	Setting range : 0.00W - 4000.0W / Resolution : 64.0mW	Setting range : 0.00W - 6000.0W / Resolution : 96.0mW	Setting range : 0.00W - 5000.0W / Resolution : 80.0mW	Setting range : 0.00W - 7500.0W / Resolution : 120mW	Setting range : 0.00W - 6000.0W / Resolution : 96mW	Setting range : 0.00W - 9000.0W / Resolution : 144mW
OPP VTH	Setting range : 0.00V - 150.00V / Resolution : 0.0025V					
BMS Test Mode⁷						
Max. Current	400A	600A	500A	750A	600A	900A
Meas. Accuracy ⁸	±3.0% of (Reading + Range)					
Short test Time	0.05ms-10ms / Resolution : 0.01ms					
Meas. Accuracy	±0.02ms					
Setting Accuracy	±0.05ms					
Short ITH	Setting range : 0.19A - 200.00A / Resolution : 6.4mA	Setting range : 0.28A - 300.00A / Resolution : 9.6mA	Setting range : 0.24A - 250.00A / Resolution : 8.0mA	Setting range : 0.36A - 375.00A / Resolution : 12mA	Setting range : 0.28A - 300.00A / Resolution : 9.6mA	Setting range : 0.43A - 450.00A / Resolution : 14.4mA
OCP ISTAR	Setting range : 0.64A - 400.00A / Resolution : 6.4mA	Setting range : 0.96A - 600.00A / Resolution : 9.6mA	Setting range : 0.80A - 500.00A / Resolution : 8.0mA	Setting range : 1.20A - 750.00A / Resolution : 12mA	Setting range : 0.96A - 600.00A / Resolution : 9.6mA	Setting range : 1.44A - 900.00A / Resolution : 14.4mA
OCP TSTEP	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms
Meas. Accuracy	±0.1ms / ±0.5ms	±0.5ms	±0.1ms / ±0.5ms	±0.5ms	±0.1ms / ±0.5ms	±0.5ms
OCP ISTEP	Setting range : 0.00A - 400.00A / Resolution : 6.4mA	Setting range : 0.00A - 600.00A / Resolution : 9.6mA	Setting range : 0.00A - 500.00A / Resolution : 8.0mA	Setting range : 0.00A - 750.00A / Resolution : 12mA	Setting range : 0.00A - 600.00A / Resolution : 9.6mA	Setting range : 0.00A - 900.00A / Resolution : 14.4mA
OCP ISTOP	Setting range : 0.64A - 400.00A / Resolution : 6.4mA	Setting range : 0.96A - 600.00A / Resolution : 9.6mA	Setting range : 0.80A - 500.00A / Resolution : 8.0mA	Setting range : 1.20A - 750.00A / Resolution : 12mA	Setting range : 0.96A - 600.00A / Resolution : 9.6mA	Setting range : 1.44A - 900.00A / Resolution : 14.4mA
OCP ITH	Setting range : 0.19A - 200.00A / Resolution : 6.4mA	Setting range : 0.28A - 300.00A / Resolution : 9.6mA	Setting range : 0.24A - 250.00A / Resolution : 8.0mA	Setting range : 0.36A - 375.00A / Resolution : 12mA	Setting range : 0.28A - 300.00A / Resolution : 9.6mA	Setting range : 0.43A - 450.00A / Resolution : 14.4mA
Surge Test Mode						
Surge Current	0 – 600A		0 – 750A		0 – 900A	
Normal Current	0 – 300A		0 – 375A		0 – 450A	
Surge Time	10 – 2000ms		10 – 2000ms		10 – 2000ms	
Surge Step	1 – 5		1 – 5		1 – 5	
Batt test Mode						
Mode CC	Setting range : 0.00A - 400.00A / Resolution : 6.4mA		Setting range : 0.00A - 500.00A / Resolution : 8.0mA		Setting range : 0.00A - 600.00A / Resolution : 9.6mA	
Mode CP	Setting range : 0.00W - 4000.0W / Resolution : 64.0mW		Setting range : 0.00W - 5000.0W / Resolution : 80.0mW		Setting range : 0.00W - 6000.0W / Resolution : 96mW	
STOP Voltage(UVP)	Setting range : 0.00V - 150.00V / Resolution : 0.0025V					
STOP TIME	Setting range : OFF 1 - 99999s / Resolution : 1s					
STOP CAP.AH	Setting range : OFF 0.1 - 19999AH / Resolution : 0.1AH					
STOP CAP.WH	Setting range : OFF 0.1 - 19999WH / Resolution : 0.1WH					
SEQ Load Mode (remode only)						
Load mode	CC / CP					
Setting STEP	2 – 16					
Timing	20 – 1000 μs / 2 – 65535ms / 66 – 999sec					
Resolution	10 μs / 1ms / 1sec					
Dynamic Mode						
Timing	0.010-9.999 / 99.99 / 999.9 / 9999ms					
Thigh & Tlow	0.001 / 0.01 / 0.1 / 1ms					
Resolution	1 μs / 10 μs / 100 μs / 1ms + 50ppm					
Accuracy	± 0.025% of (Reading + Range)					
Slew Rate	0.0256-1.600A / μs	0.2560-16.000A / μs	0.0320-2.000A / μs	0.3200-20.000A / μs	0.0384-2.400A / μs	0.3840-24.000A / μs
Resolution	0.0064A / μs	0.064A / μs	0.008A / μs	0.08A / μs	0.0096A / μs	0.096A / μs
Min. Rise Time	25 μs (typical)					
Accuracy	± (5% of Setting) ± 10 μs					
Conf Key Parameter						
LDon Voltage	Setting range : 0.25V - 62.50V / Resolution : 0.25V					
LDOFF Voltage	Setting range : 0.000V - 62.250V / Resolution : 0.0025V					
Average Time	0 – 64					
CV Res. Speed	1 – 4 (Fastest)					
Measurement						
Voltage Read Back Range (5 Digital)	0 – 15V	15 – 150V	0 – 15V	15 – 150V	0 – 15V	15 – 150V
Resolution	0.25mV	2.5mV	0.25mV	2.5mV	0.25mV	2.5mV
Accuracy	± 0.025% of (Reading + Range)					
Current Read Back Range (5 Digital)	0 – 40A	40 – 400A	0 – 50A	50 – 500A	0 – 60A	60 – 600A
Resolution	0.64mA	6.4mA	0.8mA	8mA	0.96mA	9.6mA
Accuracy	± 0.05% of (Reading + Range)					
Power Read Back Range (5 Digital)	4kW		5kW		6kW	
Resolution	0.01W		0.01W		0.01W	
Accuracy ⁴	± 0.06% of (Reading + Range)					
General						
Typical Short Resistance	1.8mΩ		1.5mΩ		1.2mΩ	
Maximum Short Current	400A		500A		600A	
Load ON Voltage	0.25 – 62.5V					
Load OFF Voltage	0 – 62.25V					
Power Consumption	550VA					
Dimension(H x W x D)	177mm x 440mm x 745mm					
Weight	28kg					
Temperature ⁹	0 – 40°C					
Safety & EMC	CE					

Note ¹ : The power rating specifications at ambient temperature = 25 °C

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

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

Note ⁴ : Power range = Vrange x Irange

Note ⁵ : Turbo mode for up to 1.5X Current rating & Power rating support Surge, Bms, Short /OCP /OPP test function

Note ⁶ : The best accuracy of OCP /OPP test is Istep /Pstep=1%FS

Note ⁷ : Bms Test function for Battery Management System Board SHORT, OCCP and OCDD Test

Note ⁸ : Operating temperature range is 0-40°C, All specifications apply for 25°C±5°C, Except as noted

Model	PEL-5004G-600-280		PEL-5005G-600-350		PEL-5006G-600-420	
Power ^{*1}	0 – 4kW	0 – 6kW max. ^{*1}	0 – 5kW	0 – 7.5kW max. ^{*1}	0 – 6kW	0 – 9kW max. ^{*1}
Current	0 – 280A	0 – 420A max. ^{*1}	0 – 350A	0 – 525A max. ^{*1}	0 – 420A	0 – 630A max. ^{*1}
Voltage	0 – 600V		0 – 600V		0 – 600V	
Min. Operating Voltage	10V@280A		10V@350A		10V@420A	
Protections						
Over Power Protection(OPP)					105%	
Over Current Protection(OCP)					104%	
Over Voltage Protection(OVP)					105%	
Over Temp Protection(OTP)					90°C±5°C	
Constant Current Mode						
Range ^{*2}	0 – 28A	0 – 280A	0 – 35A	0 – 350A	0 – 42A	0 – 420A
Resolution	0.448mA	4.48mA	0.56mA	5.6mA	0.672mA	6.72mA
Accuracy ^{*3}	± 0.05% of (Setting + Range)					
Constant Resistance Mode						
Range	128610Ω – 2.1435Ω	2.1435Ω – 0.0357Ω	102888Ω – 1.7148Ω	1.7148Ω – 0.0285Ω	85740Ω – 1.4290Ω	1.4290Ω – 0.0238Ω
Resolution	8 μS	35.73μΩ	10 μS	28.584μΩ	12 μS	23.82μΩ
Accuracy	± 0.1% (Vin / Setting) ± 0.1% IF.S					
Constant Voltage Mode						
Range	0 – 600V					
Resolution	10mV					
Accuracy	± 0.05% of (Setting + Range)					
Constant Power Mode						
Range	0 – 400W	400 – 4kW	0–500W	500–5kW	0–600W	600–6kW
Resolution	6.4mW	64mW	8mW	80mW	9.6mW	96mW
Accuracy ^{*4}	± 0.2% of (Setting + Range)					
Constant Voltage Mode + Current Limit Mode						
Range	600V	280A	600V	350A	600V	420A
Resolution	10mV	4.48mA	10mV	5.6mA	10mV	6.72mA
Accuracy ^{*4}	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)	
Constant Voltage Mode + Power Limit Mode						
Range	600V	4kW	600V	5kW	600V	6kW
Resolution	10mV	64mW	10mV	80mW	10mV	96mW
Accuracy ^{*4}	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)	
Turbo Mode^{*5}						
	OFF	ON	OFF	ON	OFF	ON
Short / OCP / OPP Test Function						
Max. Current	280A	420A	350A	525A	420A	630A
Max. Power	4000W	6000W	5000W	7500W	6000W	9000W
Test Accuracy ^{*6}	± 1.0% of (Reading + Range)					
Short Time	100 – 10000ms	100 – 2000ms	100 – 10000ms	100 – 2000ms	100 – 10000ms	100 – 2000ms
Setting, Accuracy	Continuous					
Short V Hi	±5ms					
Short V Lo	Setting range: 0.00V - 600.00V / Resolution: 0.01V					
OCP Time (Tstep)	100ms	20ms	100ms	20ms	100ms	20ms
Setting, Accuracy	±5ms					
OCP ISTAR / ISTEP / ISTOP	Setting range: 0.00A - 280.00A / Resolution: 4.48mA	Setting range: 0.00A - 420.00A / Resolution: 6.72mA	Setting range: 0.00A - 350.00A / Resolution: 5.6mA	Setting range: 0.00A - 525.00A / Resolution: 8.4mA	Setting range: 0.00A - 420.00A / Resolution: 6.72mA	Setting range: 0.00A - 630.00A / Resolution: 10.08mA
OCP VTH	Setting range: 0.00V - 600.00V / Resolution: 0.01V					
OPP Time(Tstep)	100ms	20ms	100ms	20ms	100ms	20ms
Setting, Accuracy	±5ms					
OPP PSTAR / PSTEP / PSTOP	Setting range: 0.00W - 4000.0W / Resolution: 64.0mW	Setting range: 0.00W - 6000.0W / Resolution: 96.0mW	Setting range: 0.00W - 5000.0W / Resolution: 80.0mW	Setting range: 0.00W - 7500.0W / Resolution: 120mW	Setting range: 0.00W - 6000.0W / Resolution: 96mW	Setting range: 0.00W - 9000.0W / Resolution: 144mW
OPP VTH	Setting range: 0.00V - 600.00V / Resolution: 0.01V					
BMS Test Mode^{*7}						
Max. Current	280A	420A	350A	525A	420A	630A
Meas. Accuracy ^{*8}	±3.0% of (Reading + Range)					
Short test Time	0.05ms-10ms / Resolution: 0.01ms					
Meas. Accuracy	±0.2ms					
Setting Accuracy	±0.05ms					
Short ITH	Setting range: 0.13A - 140.00A / Resolution: 4.48mA	Setting range: 0.20A - 210.00A / Resolution: 6.72mA	Setting range: 0.16A - 175.00A / Resolution: 5.6mA	Setting range: 0.25A - 262.50A / Resolution: 8.4mA	Setting range: 0.20A - 210.00A / Resolution: 6.72mA	Setting range: 0.30A - 315.0A / Resolution: 10.08mA
OCP ISTAR	Setting range: 0.44A - 280.00A / Resolution: 4.48mA	Setting range: 0.67A - 420.00A / Resolution: 6.72mA	Setting range: 0.56A - 350.00A / Resolution: 5.6mA	Setting range: 0.84A - 525.00A / Resolution: 8.4mA	Setting range: 0.67A - 420.00A / Resolution: 6.72mA	Setting range: 1.00A - 630.00A / Resolution: 10.08mA
OCP TSTEP	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms
Meas. Accuracy	±0.1ms / ±0.5ms					
OCP ISTEP	Setting range: 0.00A - 280.00A / Resolution: 4.48mA	Setting range: 4.20A - 420.00A / Resolution: 6.72mA	Setting range: 0.00A - 350.00A / Resolution: 5.6mA	Setting range: 5.25A - 525.00A / Resolution: 8.4mA	Setting range: 0.00A - 420.00A / Resolution: 6.72mA	Setting range: 6.30A - 630.00A / Resolution: 10.08mA
OCP ISTOP	Setting range: 0.44A - 280.00A / Resolution: 4.48mA	Setting range: 0.67A - 420.00A / Resolution: 6.72mA	Setting range: 0.56A - 350.00A / Resolution: 5.6mA	Setting range: 0.84A - 525.00A / Resolution: 8.4mA	Setting range: 0.67A - 420.00A / Resolution: 6.72mA	Setting range: 1.00A - 630.00A / Resolution: 10.08mA
OCP ITH	Setting range: 0.13A - 140.00A / Resolution: 4.48mA	Setting range: 0.20A - 210.00A / Resolution: 6.72mA	Setting range: 0.16A - 175.00A / Resolution: 5.6mA	Setting range: 0.25A - 262.50A / Resolution: 8.4mA	Setting range: 0.20A - 210.00A / Resolution: 6.72mA	Setting range: 0.30A - 315.00A / Resolution: 10.08mA
Surge Test Mode						
Surge Current	0 – 420A		0 – 525A		0 – 630A	
Normal Current	0 – 210A		0 – 262.5A		0 – 315A	
Surge Time	10 – 2000ms		10 – 2000ms		10 – 2000ms	
Surge Step	1 – 5		1 – 5		1 – 5	
Batt test Mode						
Mode CC	Setting range: 0.00A - 280.00A / Resolution: 4.48mA		Setting range: 0.00A - 350.00A / Resolution: 5.6mA		Setting range: 0.00A - 420.00A / Resolution: 6.72mA	
Mode CP	Setting range: 0.00W - 4000.0W / Resolution: 64.0mW		Setting range: 0.00W - 5000.0W / Resolution: 80.0mW		Setting range: 0.00W - 6000.0W / Resolution: 96mW	
STOP Voltage (UVP)	Setting range: 0.00V - 600.00V / Resolution: 0.01V					
STOP TIME	Setting range: OFF 1 - 99999s / Resolution: 1s					
STOP CAP.AH	Setting range: OFF 0.1 - 19999AH / Resolution: 0.1AH					
STOP CAP.WH	Setting range: OFF 0.1 - 19999WH / Resolution: 0.1WH					
SEQ Load Mode (remote only)						
Load Mode	CC / CP					
Setting STEP	2 – 16					
Timing	20 – 1000 μs / 2 – 65535ms / 66 – 999sec					
Resolution	10 μs / 1ms / 1sec					
Dynamic Mode						
Timing	0.010-9.999 / 99.99 / 999.9 / 9999ms					
Thigh & Tlow	0.001 / 0.01 / 0.1 / 1ms					
Resolution	1 μs / 10 μs / 100 μs / 1ms + 50ppm					
Accuracy	± 0.025% of (Reading + Range)					
Slew Rate	0.01792-1.120A / μs	0.1792-11.200A / μs	0.0224-1.400A / μs	0.2240-14.00A / μs	0.02688-1.680A / μs	0.2688-16.800A / μs
Resolution	0.00448A / μs	0.0448A / μs	0.0056A / μs	0.056A / μs	0.00672A / μs	0.0672A / μs
Min. Rise Time	25 μs (typical)					
Accuracy	± (5% of Setting) ± 10 μs					
Conf Key Parameter						
LDon Voltage	Setting range: 0.4V - 100.0V / Resolution: 0.4V					
LDOFF Voltage	Setting range: 0.000V - 99.60V / Resolution: 0.01V					
Average Time	0 – 64					
CV Res. Speed	1 – 4 (Fastest)					
Measurement						
Voltage Read Back Range (5 Digital)	0 – 60V	60 – 600V	0 – 60V	60 – 600V	0 – 60V	60 – 600V
Resolution	1.00mV	10.0mV	1.00mV	10.0mV	1.00mV	10.0mV
Accuracy	± 0.025% of (Reading + Range)					
Current Read Back Range (5 Digital)	0 – 28A	28 – 280A	0 – 35A	35 – 350A	0 – 42A	42 – 420A
Resolution	0.448mA	4.48mA	0.56mA	5.6mA	0.672mA	6.72mA
Accuracy	± 0.05% of (Reading + Range)					
Power Read Back Range (5 Digital)	4kW		5kW		6kW	
Resolution	0.01W					
Accuracy ^{*4}	± 0.06% of (Reading + Range)					
General						
Typical Short Resistance	35.73mΩ		28.584mΩ		23.82mΩ	
Maximum Short Current	280A		350A		420A	
Load ON Voltage	0.4 – 100V					
Load OFF Voltage	0 – 99.6V					
Power Consumption	550VA					
Dimension(H x W x D)	177mm x 440mm x 745mm					
Weight	29kg					
Temperature ^{*8}	0 – 40°C					
Safety & EMC	CE					

Note^{*1}: The power rating specifications at ambient temperature = 25°C

Note^{*2}: The range is automatically or forcing to range II only in CC mode

Note^{*3}: If the operating current is below range 0.3%, the accuracy specification is 0.1% F.S.

Note^{*4}: Power range = Vrange x Irange

Note^{*5}: Turbo mode for up to 1.5X Current rating & Power rating support Surge, Bms, Short /OCP /OPP test function

Note^{*6}: The best accuracy of OCP /OPP test is Istep /Pstep=1%FS

Note^{*7}: Bms Test function for Battery Management System Board SHORT, OCCP and OCPD Test

Note^{*8}: Operating temperature range is 0-40°C, All specifications apply for 25°C±5°C, Except as noted

Model	PEL-5004G-1200-160		PEL-5005G-1200-200		PEL-5006G-1200-240	
Power ¹	0 – 4kW	0 – 6kW max. ¹	0 – 5kW	0 – 7.5kW max. ¹	0 – 6kW	0 – 9kW max. ¹
Current	0 – 160A	0 – 240A max. ¹	0 – 200A	0 – 300A max. ¹	0 – 240A	0 – 360A max. ¹
Voltage	0 – 1200V		0 – 1200V		0 – 1200V	
Min. Operating Voltage	15V@100A		15V@200A		15V@240A	
Protections						
Over Power Protection(OPP)			105%			
Over Current Protection(OCP)			104%			
Over Voltage Protection(OVP)			105%			
Over Temp Protection(OTP)			90°C±5°C			
Constant Current Mode						
Range ²	0 – 16A	0 – 160A	0 – 20A	0 – 200A	0 – 24A	0 – 240A
Resolution	0.256mA	2.56mA	0.32mA	3.2mA	0.384mA	3.84mA
Accuracy ³	± 0.05% of (Setting + Range)					
Constant Resistance Mode						
Range	450kΩ – 7.5Ω	7.5Ω – 0.0937Ω	360kΩ – 6Ω	6Ω – 0.075Ω	300kΩ – 5Ω	5Ω – 0.0625Ω
Resolution	2.2 μS	125μΩ	2.8 μS	100μΩ	3.3 μS	83.34μΩ
Accuracy	± 0.1% (Vin / Setting) ± 0.1% IF.S					
Constant Voltage Mode						
Range	0 – 1200V					
Resolution	20mV					
Accuracy	± 0.05% of (Setting + Range)					
Constant Power Mode						
Range	0 – 400W	400 – 4kW	0 – 500W	500 – 5kW	0 – 600W	600 – 6kW
Resolution	6.4mW	64mW	8mW	80mW	9.6mW	96mW
Accuracy ⁴	± 0.2% of (Setting + Range)					
Constant Voltage Mode + Current Limit Mode						
Range	1200V	160A	1200V	200A	1200V	240A
Resolution	20mV	2.56mA	20mV	3.2mA	20mV	3.84mA
Accuracy ⁴	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)	
Constant Voltage Mode + Power Limit Mode						
Range	1200V	4kW	1200V	5kW	1200V	6kW
Resolution	20mV	64mW	20mV	80mW	20mV	96mW
Accuracy ⁴	± 0.05% of (Setting + Range)		± 1.0% of (Setting + Range)		± 0.05% of (Setting + Range)	
Turbo Mode⁵						
	OFF	ON	OFF	ON	OFF	ON
Short / OCP / OPP Test Function						
Max. Current	160A	240A	200A	300A	240A	360A
Max. Power	4000W	6000W	5000W	7500W	6000W	9000W
Test Accuracy ⁶	± 1.0% of (Reading + Range)					
Short Time	100 – 10000ms	100 – 2000ms	100 – 10000ms	100 – 2000ms	100 – 10000ms	100 – 2000ms
Setting. Accuracy	Continuous					
Short V Hi	±5ms					
Short V Lo	Setting range: 0.25V - 1200.0V / Resolution: 0.02V					
OCP Time(Tstep)	100ms	20ms	100ms	20ms	100ms	20ms
Setting. Accuracy	±5ms					
OCP ISTAR / ISTEP / ISTOP	Setting range: 0.00A - 160.00A / Resolution: 2.56mA	Setting range: 0.00A - 240.00A / Resolution: 3.84mA	Setting range: 0.00A - 200.00A / Resolution: 3.2mA	Setting range: 0.00A - 300.00A / Resolution: 4.8mA	Setting range: 0.00A - 240.00A / Resolution: 3.84mA	Setting range: 0.00A - 360.00A / Resolution: 5.76mA
OCP VTH	Setting range: 0.00V - 1200.00V / Resolution: 0.02V					
OPP Time(Tstep)	100ms	20ms	100ms	20ms	100ms	20ms
Setting. Accuracy	±5ms					
OPP PSTAR / PSTEP / PSTOP	Setting range: 0.00W - 4000.0W / Resolution: 64.0mW	Setting range: 0.00W - 6000.0W / Resolution: 96.0mW	Setting range: 0.00W - 5000.0W / Resolution: 80.0mW	Setting range: 0.00W - 7500.0W / Resolution: 120mW	Setting range: 0.00W - 6000.0W / Resolution: 96mW	Setting range: 0.00W - 9000.0W / Resolution: 144mW
OPP VTH	Setting range: 0.00V - 1200.00V / Resolution: 0.02V					
BMS Test Mode⁷						
Max. Current	160A	240A	200A	300A	240A	360A
Meas. Accuracy ⁸	± 3.0% of (Reading + Range)					
Short test Time	0.05ms-10ms / Resolution: 0.01ms					
Meas. Accuracy	± 0.2ms					
Setting Accuracy	± 0.05ms					
Short ITH	Setting range: 0.07A - 80.00A / Resolution: 2.56mA	Setting range: 0.11A - 120.00A / Resolution: 3.84mA	Setting range: 0.09A - 100.00A / Resolution: 3.2mA	Setting range: 0.14A - 150.00A / Resolution: 4.8mA	Setting range: 0.11A - 120.00A / Resolution: 3.84mA	Setting range: 0.17A - 180.00A / Resolution: 5.76mA
OCP ISTAR	Setting range: 0.25A - 160.00A / Resolution: 2.56mA	Setting range: 0.38A - 240.00A / Resolution: 3.84mA	Setting range: 0.32A - 200.00A / Resolution: 3.2mA	Setting range: 0.48A - 300.00A / Resolution: 4.8mA	Setting range: 0.38A - 240.00A / Resolution: 3.84mA	Setting range: 0.57A - 360.00A / Resolution: 5.76mA
OCP TSTEP	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms	0.05 – 10ms
Meas. Accuracy	± 0.1ms / ± 0.5ms	± 0.5ms	± 0.1ms / ± 0.5ms	± 0.5ms	± 0.1ms / ± 0.5ms	± 0.5ms
OCP ISTEP	Setting range: 0.00A - 160.00A / Resolution: 2.56mA	Setting range: 2.40A - 240.00A / Resolution: 3.84mA	Setting range: 0.00A - 200.00A / Resolution: 3.2mA	Setting range: 3.00A - 300.00A / Resolution: 4.8mA	Setting range: 0.00A - 240.00A / Resolution: 3.84mA	Setting range: 3.60A - 360.00A / Resolution: 5.76mA
OCP ISTOP	Setting range: 0.25A - 160.00A / Resolution: 2.56mA	Setting range: 0.38A - 240.00A / Resolution: 3.84mA	Setting range: 0.32A - 200.00A / Resolution: 3.2mA	Setting range: 0.48A - 300.00A / Resolution: 4.8mA	Setting range: 0.38A - 240.00A / Resolution: 3.84mA	Setting range: 0.57A - 360.00A / Resolution: 5.76mA
OCP ITH	Setting range: 0.07A - 80.00A / Resolution: 2.56mA	Setting range: 0.11A - 120.00A / Resolution: 3.84mA	Setting range: 0.09A - 100.00A / Resolution: 3.2mA	Setting range: 0.14A - 150.00A / Resolution: 4.8mA	Setting range: 0.11A - 120.00A / Resolution: 3.84mA	Setting range: 0.17A - 180.00A / Resolution: 5.76mA
Surge Test Mode						
Surge Current	0 – 240A		0 – 300A		0 – 360A	
Normal Current	0 – 120A		0 – 150A		0 – 180A	
Surge Time	10 – 2000ms		10 – 2000ms		10 – 2000ms	
Surge Step	1 – 5		1 – 5		1 – 5	
Batt test Mode						
Mode CC	Setting range: 0.00A - 160.00A / Resolution: 2.56mA		Setting range: 0.00A - 200.00A / Resolution: 3.2mA		Setting range: 0.00A - 240.00A / Resolution: 3.84mA	
Mode CP	Setting range: 0.00W - 4000.0W / Resolution: 64.0mW		Setting range: 0.00W - 5000.0W / Resolution: 80.0mW		Setting range: 0.00W - 6000.0W / Resolution: 96mW	
STOP Voltage (UVP)	Setting range: 0.00V - 1200.00V / Resolution: 0.02V					
STOP TIME	Setting range: OFF 1 - 99999s / Resolution: 1s					
STOP CAP.AH	Setting range: OFF 0.1 - 19999AH / Resolution: 0.1AH					
STOP CAP.WH	Setting range: OFF 0.1 - 19999WH / Resolution: 0.1WH					
SEQ Load Mode (remote only)						
Load Mode	CC / CP					
Setting STEP	2 – 16					
Timing	20 – 1000 μs / 2 – 65535ms / 66 – 999sec					
Resolution	10 μs / 1ms / 1sec					
Dynamic Mode						
Timing	0.010-9.999 / 99.99 / 999.9 / 9999ms					
Thigh & Tlow	0.001 / 0.01 / 0.1 / 1ms					
Resolution	1 μs / 10 μs / 100 μs / 1ms + 50ppm					
Accuracy	± 0.025% of (Reading + Range)					
Slew Rate	0.01024 – 0.6400A / μs	0.1024 – 6.400A / μs	0.0128 – 0.800A / μs	0.1280 – 8.000A / μs	0.01536 – 0.960A / μs	0.1536 – 9.600A / μs
Resolution	0.00256A / μs	0.0256A / μs	0.0032A / μs	0.032A / μs	0.00384A / μs	0.0384A / μs
Min. Rise Time	25 μs (typical)					
Accuracy	± (5% of Setting) ± 10 μs					
Conf Key Parameter						
LDon Voltage	Setting range: 1V - 250.0V / Resolution: 1V					
LDOFF Voltage	Setting range: 0.000V - 249.0V / Resolution: 0.02V					
Average Time	0 – 64					
CV Res. Speed	1 – 4 (Fastest)					
Measurement						
Voltage Read Back Range (5 Digital)	0 – 120V	120 – 1200V	0 – 120V	120 – 1200V	0 – 120V	120 – 1200V
Resolution	2.00mV	20.0mV	2.00mV	20.0mV	2.00mV	20.0mV
Accuracy	± 0.025% of (Reading + Range)					
Current Read Back Range (5 Digital)	0 – 16A	16 – 160A	0 – 20A	20 – 200A	0 – 24A	24 – 240A
Resolution	0.256mA	2.56mA	0.32mA	3.2mA	0.384mA	3.84mA
Accuracy	± 0.05% of (Reading + Range)					
Power Read Back Range (5 Digital)	4kW		5kW		6kW	
Resolution	0.01W					
Accuracy ⁴	± 0.06% of (Reading + Range)					
General						
Typical Short Resistance	93.75mΩ		75mΩ		62.505mΩ	
Maximum Short Current	160A		200A		240A	
Load ON Voltage	1 – 250V					
Load OFF Voltage	0 – 249V					
Power Consumption	550VA					
Dimension(H x W x D)	177mm x 440mm x 745mm					
Weight	29kg					
Temperature ⁸	0 – 40°C					
Safety & EMC	CE					

Note¹: The power rating specifications at ambient temperature = 25 °C

Note²: The range is automatically or forcing to range II only in CC mode

Note³: If the operating current is below range 0.1%, the accuracy specification is 0.1% F.S.

Note⁴: Power range = Vrange x Irange

Note⁵: Turbo mode for up to 1.5X Current rating & Power rating support Surge, Bms, Short /OCP /OPP test function

Note⁶: The best accuracy of OCP /OPP test is Istep /Pstep=1%FS

Note⁷: Bms Test function for Battery Management System Board SHORT, OCCP and OCPD Test

Note⁸: Operating temperature range is 0–40°C, All specifications apply for 25°C±5°C, Except as noted