

		PEL-5004G-150-400		PEL-5005G-150-500		PEL-5006G-150-600		
Power ¹⁾	0 – 4kW	0 – 6kW max. ²⁾		0 – 5kW	0 – 7.5kW max. ²⁾		0 – 6kW	0 – 9kW max. ²⁾
Current	0 – 400A	0 – 600A max. ²⁾		0 – 500A	0 – 750A max. ²⁾		0 – 600A	0 – 900A max. ²⁾
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 ³⁾	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 ⁴⁾	± 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	44nS	6.25nS		56nS	5nS		67nS	4.167nS
Accuracy ⁴⁾	± 0.1%(Vin / Setting)±0.1% IF S.			± 0.1%(Vin / Setting)±0.1% IF S.			± 0.1%(Vin / Setting)±0.1% IF S.	
Constant Voltage Mode								
Range	0 – 150V							
Resolution	2.5mV							
Accuracy ⁴⁾	± 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	
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	100 – 1000ms	100 – 200ms		100 – 1000ms	100 – 200ms		100 – 1000ms	100 – 200ms
Setting Accuracy	Continuous			Continuous			Continuous	
Short V Hi				±5ms				
Short V Lo				Setting range : 0.00V - 150.00V / Resolution : 0.0025V				
OCP Time (t _{set})	100ms			100ms			100ms	
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	100ms			100ms			100ms	
OPP Time (t _{set})	100ms			100ms			100ms	
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 ⁸⁾	400A	600A		500A	750A		600A	900A
Meas. Accuracy ⁹⁾	±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 : 0.60A - 600.00A / Resolution : 9.6mA		Setting range : 0.00A - 500.00A / Resolution : 8.0mA	Setting range : 7.50A - 750.00A / Resolution : 12mA		Setting range : 0.00A - 600.00A / Resolution : 9.6mA	Setting range : 9.00A - 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 Slope	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(VUP)				Setting range : 0.00V - 150.00V / Resolution : 0.0025V				
STOP TIME				Setting range : OFF 1 - 99999h / 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								
Thigh & Tlow	0.010-9.999 / 99.99 / 999.9 / 9999ms							
Resolution	0.001 / 0.01 / 0.1 / 1ms							
Accuracy	1 μs / 10 μs / 100 μs / 1ms + 50ppm							
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							
Current								
Range	0 – 40A	40 – 400A		0 – 50A	50 – 500A		0 – 60A	60 – 600A
Resolution	0.64mA	6.4mA		0.8mA	8mA		0.96mA	9.6mA
Conf Key Parameter								
LDn Voltage	Setting range : 0.25V - 62.50V / Resolution : 0.25V							
LDnF 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 Digits)	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 Digits)	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 Digits)	4kW			5kW			6kW	
Resolution				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 ¹⁰⁾				0 – 40°C				
Safety & EMC				CE				

PEL-5004G-600-280										PEL-5006G-600-350										PEL-5004G-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			0 ~ 630A max. ¹⁾													
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			102880Ω ~ 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 ³⁾	± 0.1%(Vin / Setting)±0.1% IF S.			± 0.1% of (Setting + Range)±0.1% IF S.			± 0.1%(Vin / Setting)±0.1% IF S.			± 0.1% of (Setting + Range)±0.1% IF S.			± 0.1%(Vin / Setting)±0.1% IF S.			± 0.1% of (Setting + Range)±0.1% IF S.													
Constant Voltage Mode																													
Range							0 ~ 600V																						
Resolution							10mV																						
Accuracy ³⁾							± 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 ³⁾							± 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 ³⁾	± 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 Mode + Power Limit Mode																													
Range	600V			4kW			600V			5kW			600V			6kW													
Resolution	10mV			64mW			10mV			80mW			10mV			96mW													
Accuracy ³⁾	± 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 Mode⁴⁾																													
Short / OCP / OPP Test Function	OFF			ON			OFF			ON			OFF			ON													
Max. Current	280A			420A			350A			525A			420A			630A													
Max. Power	4000W			6000W			5000W			7500W			6000W			9000W													
Test Accuracy ⁵⁾							± 1.0% of (Reading + Range)																						
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 ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V													
OCP Time (Istap)	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			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V													
OPP Time (Istap)	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			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V													
BMS Test Mode⁷⁾																													
Max. Current ⁸⁾	280A			420A			350A			525A			420A			630A													
Meas. Accuracy ⁹⁾							±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 : 0.13A ~ 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 ~ 315.0 A / Resolution : 10.08mA													
OCP ISTAR	Setting range : 0.44A ~ 280.00A / Resolution : 4.48mA			Setting range : 0.56A ~ 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			±0.5ms			±0.1ms / ±0.5ms			±0.5ms			±0.1ms / ±0.5ms			±0.5ms													
OCP ISTEP	Setting range : 0.00A ~ 280.00A / Resolution : 4.48mA			Setting range : 0.20A ~ 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 : 0.56A ~ 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 ~ 280A						0 ~ 350A						0 ~ 420A																
Surge Time	10 ~ 2000ms						10 ~ 2000ms						10 ~ 2000ms																
Surge Slope	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 (VUP)							Setting range : 0.00V ~ 600.00V / Resolution : 0.01V						Setting range : 0.00V ~ 600.00V / Resolution : 0.01V																
STOP TIME							Setting range : OFF 1 ~ 99999h / Resolution : 1s						Setting range : OFF 1 ~ 99999h / Resolution : 1s																
STOP CAP-AH							Setting range : OFF 0.1 ~ 19999AH / Resolution : 0.1AH						Setting range : OFF 0.1 ~ 19999AH / Resolution : 0.1AH																
STOP CAP-WH							Setting range : OFF 0.1 ~ 19999WH / Resolution : 0.1WH						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																													
Resolution							0.001 / 0.01 / 0.1 / 1ms																						
Accuracy							1 μs / 10 μs / 100 μs / 1ms + 50ppm																						
Slow 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																						
Current																													
Range	0 ~ 28A			28 ~ 280A			0 ~ 35A			35 ~ 350A			0 ~ 42A			42 ~ 420A													
Resolution	0.45mA			4.48mA			0.56mA			5.6mA			0.67mA			6.72mA													
Conf Key Parameter																													
LDan Voltage							Setting range : 0.4V ~ 100.0V / Resolution : 0.4V																						
LDaF Voltage							Setting range : 0.00V ~ 99.60V / Resolution : 0.01V																						
Average Time							0 ~ 64																						
CV Res. Speed							1 ~ 4 (Fastest)																						
Measurement																													
Voltage Read Back Range (5 Digits)	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 Digits)	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 Digits)				4kW						5kW						6kW													
Resolution							0.01W																						
Accuracy ¹⁰⁾							± 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 ¹¹⁾							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 0.3%, the accuracy specification is 0.1% F.S.

Note⁴⁾ : Power Range = Voltage x Range

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 OCCDP Test

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

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 ⁴⁾	± 0.1%(Vin / Setting)±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.	± 0.1%(Vin / Setting) ±0.1% I.F.S.	± 0.1% of (Setting + Range) ±0.1% I.F.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 ⁵⁾	± 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 ⁶⁾	± 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 Mode + Power Limit Mode								
Range	1200V	4kW	1200V	5kW	1200V	6kW		
Resolution	20mV	64mW	20mV	80mW	20mV	96mW		
Accuracy ⁷⁾	± 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 ⁸⁾								
Short / OCP / OPP Test Function	OFF	ON	OFF	ON	OFF	ON		
Max. Current	160A	240A	200A	300A	240A	360A		
Max. Power	4000W	6000W	5000W	7500W	6000W	9000W		
Test Accuracy ⁹⁾	± 1.0% of (Reading + Range)							
Short Time	100 ~ 10000ms	100 ~ 2000ms	100 ~ 10000ms	100 ~ 2000ms	100 ~ 10000ms	100 ~ 2000ms		
Setting Accuracy	Continuous		Continuous		Continuous			
Short V _{Hi}	Setting range : 0.25V - 1200.0V / Resolution : 0.02V							
Short V _{Lo}	Setting range : 0.000V - 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 Mode ⁷⁾								
Max. Current	160A	240A	200A	300A	240A	360A		
Meas. Accuracy ¹⁰⁾	±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 : 0.07A - 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 11 ~ 1000ms	0.05 ~ 10ms 11 ~ 1000ms	0.05 ~ 10ms 11 ~ 1000ms	0.05 ~ 10ms 11 ~ 1000ms	0.05 ~ 10ms 11 ~ 1000ms	0.05 ~ 10ms 11 ~ 1000ms		
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 - 999999 / 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								
Thigh & Tlow	0.010~9.999 / 99.99 / 999.9 / 9999ms							
Resolution	0.001 / 0.01 / 0.1 / 1ms							
Accuracy	1 μs / 10 μs / 100 μs / 1ms ± 50ppm							
Slow Rate	0.01024 ~ 0.640A / 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							
Current								
Range	0 ~ 16A	16 ~ 160A	0 ~ 20A	20 ~ 200A	0 ~ 24A	42 ~ 240A		
Resolution	0.26mA	2.56mA	0.32mA	3.2mA	0.38mA	3.84mA		
Conf Key Parameter								
I _{Don} Voltage	Setting range : 1V - 250.0V / Resolution : 1V							
I _{DoFF} 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 ¹¹⁾	± 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 ¹²⁾	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