

PEL-5004G-150-400				PEL-5005G-150-500				PEL-5006G-150-600			
Power ¹⁾	0 – 4kW	0 – 6kW max. ¹⁾		0 – 5kW	0 – 7.5kW max. ¹⁾		0 – 6kW	0 – 9kW max. ¹⁾			
Current	0 – 400A	0 – 600A max. ¹⁾		0 – 500A	0 – 750A max. ¹⁾		0 – 600A	0 – 900A max. ¹⁾			
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	44nS	6.25nS		56nS	5nS		67nS	4.167nS			
Accuracy ³⁾	± 0.1%(V _{in} /Setting)±0.1% IF S. ± 0.1% of (Setting + Range)±0.1% IF S. ± 0.1%(V _{in} /Setting)±0.1% IF S. ± 0.1% of (Setting + Range)±0.1% IF S.										
Constant Voltage Mode											
Range	0 – 150V										
Resolution	2.5mV										
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	150V	400A		150V	500A		150V	600A			
Resolution	2.5mV	6.4mA		2.5mV	8mA		2.5mV	9.6mA			
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	150V	4kW		150V	5kW		150V	6kW			
Resolution	2.5mV	64mW		2.5mV	80mW		2.5mV	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	
Max. Current	400A	600A		500A	750A		600A	900A			
Max. Power	4000W	6000W		5000W	7500W		6000W	9000W			
Test Accuracy ⁵⁾	± 1.0% of (Reading + Range)										
Short Time	100 – 1000ms	100 – 200ms		100 – 1000ms	100 – 200ms		100 – 1000ms	100 – 200ms			
Setting Accuracy	Continuous			Continuous			Continuous			Continuous	
Setting Accuracy	±5ms										
Short V Hi	Setting range: 0.00V – 150.00V / Resolution: 0.0025V										
Short V Lo	Setting range: 0.00V – 150.00V / Resolution: 0.0025V										
OCP Time (T _{set})	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 (T _{set})	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: 0.04A - 400.00A / Resolution: 6.4mA	Setting range: 0.06A - 600.00A / Resolution: 9.6mA		Setting range: 0.20A - 500.00A / Resolution: 8.0mA	Setting range: 1.20A - 750.00A / Resolution: 12mA		Setting range: 0.06A - 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: 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: 0.04A - 400.00A / Resolution: 6.4mA	Setting range: 0.06A - 600.00A / Resolution: 9.6mA		Setting range: 0.20A - 500.00A / Resolution: 8.0mA	Setting range: 1.20A - 750.00A / Resolution: 12mA		Setting range: 0.06A - 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(V _{UP})	Setting range: 0.00V - 150.00V / Resolution: 0.0025V			Setting range: 0.00V - 150.00V / Resolution: 0.0025V			Setting range: 0.00V - 150.00V / Resolution: 0.0025V				
STOP TIME	Setting range: OFF 1 - 99999h / Resolution: 1s			Setting range: OFF 1 - 99999h / Resolution: 1s			Setting range: OFF 1 - 99999h / Resolution: 1s				
STOP CAP-AH	Setting range: OFF 0.1 - 99999Ah / Resolution: 0.1Ah			Setting range: OFF 0.1 - 99999Ah / Resolution: 0.1Ah			Setting range: OFF 0.1 - 99999Ah / Resolution: 0.1Ah				
STOP CAP-WH	Setting range: OFF 0.1 - 99999Wh / Resolution: 0.1Wh			Setting range: OFF 0.1 - 99999Wh / Resolution: 0.1Wh			Setting range: OFF 0.1 - 99999Wh / 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	0.0256 - 1.600A / µs										
Slow Rate	0.0064A / µs										
Resolution	0.008A / µs										
Min. Rise Time	25 µs (typical)										
Accuracy	± 5% of Setting at 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											
LD _{on} Voltage	Setting range: 0.25V - 62.50V / Resolution: 0.25V										
LD _{off} Voltage	Setting range: 0.000V - 62.50V / 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	± 0.06% of (Reading + Range)										
General											
Typical Short Resistance	1.8mΩ			1.5mΩ			1.2mΩ				
Maximum Short Current	400A			500A			600A				
Load OFF Voltage	0.25 – 62.5V										
Load OFF Current	0 – 62.5V										
Power Consumption	50VA										
Dimension(H x W x D)	177mm x 440mm x 745mm										
Weight	28kg										
Temperature ¹⁾	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 ~ 420A	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	128kΩ ~ 2.1435Ω	2.1435Ω ~ 0.0357Ω		10288Ω ~ 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 ~ 6kW		0 ~ 500W	500 ~ 9kW		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	6kW		600V	9kW		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 Mode ⁴⁾															
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								
OCP Time (Istap)	100ms	20ms		100ms	20ms		100ms	20ms							
Setting Accuracy	±5ms			±5ms			±5ms								
OCP 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 ²⁾	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	±0.02ms														
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 ~ 210A			0 ~ 262.5A			0 ~ 315A								
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			Setting range : 0.00V ~ 600.00V / Resolution : 0.01V								
STOP TIME	Setting range : OFF 1 ~ 99999h / Resolution : 1s			Setting range : OFF 1 ~ 99999h / Resolution : 0.1h			Setting range : OFF 1 ~ 99999h / Resolution : 0.1h								
STOP CAP-AH	Setting range : 0.01 ~ 19999Ah / Resolution : 0.1Ah			Setting range : 0.01 ~ 19999Ah / Resolution : 0.1Ah			Setting range : 0.01 ~ 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			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	0.01792-1.120A / μs			0.1792-11.200A / μs	0.0224-1.400A / μs		0.2240-14.00A / μs	0.2688-16.800A / μs							
New Rate	0.00448A / μs			0.0448A / μs	0.0056A / μs		0.056A / μs	0.06672A / μs							
Min. Rise Time	25 μs (typical)			± 5% of Setting at 10 μs											
Accuracy															
Current	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 : 0.000V ~ 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			0.01W			0.01W								
Accuracy ³⁾	± 0.06% of (Reading + Range)														
General															
Typical Short Resistance	35.73mΩ			28.584mΩ			23.82mΩ								
Maximum Short Current	280A			350A			420A								
Load OFF Voltage				0.4 ~ 100V											
Power Consumption				0 ~ 90.6V											
Dimension(H x W x D)				350VA											
Weight				17mm x 440mm x 745mm											
Temperature ¹⁾				29g											
Storage & EMC				0 ~ 40°C											
				+25°C											

	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	125μd		2.8 μS	100μd		3.3 μS	83.34μd	
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			0-1200V			0-1200V		
Resolution	20mV			20mV			20mV		
Accuracy ⁵⁾				± 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 ⁶⁾				± 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 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)	
Constant Voltage Mode + Power Limit Mode									
Range	1200V	4kW		1200V	5kW		1200V	6kW	
Resolution	20mV	64mW		20mV	80mW		20mV	96mW	
Accuracy ⁸⁾	± 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 Mode⁹⁾									
Short / OCP / OPP Test Function	OFF			ON			OFF		
Max. Current	160A	240A		200A	300A		240A	360A	
Max. Power	4000W	6000W		5000W	7500W		6000W	9000W	
Test Accuracy ¹⁰⁾				± 1.0% of (Reading + Range)					
Short Time	100 ~ 10000ms	100 ~ 2000ms		100 ~ 10000ms	100 ~ 2000ms		100 ~ 10000ms	100 ~ 2000ms	
	Continuous			Continuous			Continuous		
Setting Accuracy				±5ms					
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 Mode⁷⁾									
Max. Current	160A	240A		200A	300A		240A	360A	
Meas. Accuracy ¹⁶⁾				±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					
Slew 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	24 ~ 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 ¹⁴⁾				± 0.06% of (Reading + Range)					
General									
Typical Short Resistance	93.75mΩ			75mΩ			62.50mΩ		
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				23kg					
Temperature ¹⁵⁾				0 ~ 40°C					
Safety&EMC				CE					