

LXinstruments GmbH
Rudolf-Diesel-Str. 36
71154 Nufringen
Germany



TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- ▶ high - quality
- ▶ moderate prices
- ▶ excellent precision

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Technical support, services, demo & rental equipment, price information & quotes, consulting:

Tel.: +49(0)7032 / 895 93-3

Mail: sales@lxinstruments.com

Web: www.lxinstruments.com

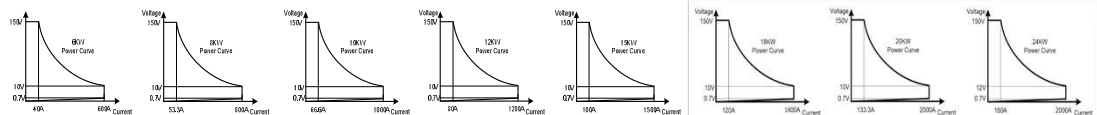
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Model	PEL-5008C-150-800	PEL-5008C-150-800	PEL-5010C-150-1000	PEL-5012C-150-1200	PEL-5016C-150-1500	PEL-5018C-150-1800	PEL-5020C-150-2000	PEL-5024C-150-2000								
Power ¹⁾	6KW	6KW	8KW	8KW	10KW	10KW	12KW	12KW	15KW	15KW	18KW	18KW	20KW	20KW	24KW	24KW
Current	0 ~ 60A	0 ~ 600A	0 ~ 80A	0 ~ 80A	0 ~ 100A	0 ~ 100A	0 ~ 120A	0 ~ 120A	0 ~ 150A	0 ~ 150A	0 ~ 180A	0 ~ 180A	0 ~ 200A	0 ~ 200A	0 ~ 200A	0 ~ 200A
Voltage	0 ~ 150V		0 ~ 150V		0 ~ 150V		0 ~ 150V		0 ~ 150V		0 ~ 150V		0 ~ 150V		0 ~ 150V	
Min. Operating Voltage	0.7V@600A		0.7V@800A		0.7V@1000A		0.7V@1200A		0.7V@1500A		0.7V@1800A		0.7V@2000A		0.7V@2000A	
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⁾	60A	600A	80A	800A	100A	1000A	120A	1200A	150A	1500A	180A	1800A	200A	2000A	200A	2000A
Resolution	0.96mA	9.6mA	1.28mA	12.8mA	1.6mA	16mA	1.92mA	19.2mA	2.4mA	24mA	2.88mA	28.8mA	3.2mA	32mA	3.2mA	32mA
Accuracy ³⁾	± 0.05% of (Setting + Range)															
Constant Resistance Mode																
Range	1500Ω ~ 0.25Ω	0.25Ω ~ 0.0012Ω	1125Ω ~ 0.1875Ω	0.1875Ω ~ 0.0006Ω	900Ω ~ 0.15Ω	0.15Ω ~ 0.0007Ω	750Ω ~ 0.125Ω	0.125Ω ~ 0.0006Ω	600Ω ~ 0.1Ω	0.1Ω ~ 0.0005Ω	500Ω ~ 0.0833Ω	0.0833Ω ~ 0.0004Ω	450Ω ~ 0.075Ω	0.075Ω ~ 0.0004Ω	450Ω ~ 0.075Ω	0.075Ω ~ 0.0004Ω
Resolution	66.666μS	4.167μS	88.888μS	3.125μS	111.111μS	2.5μS	133.333μS	2.084μS	166.666μS	1.887μS	200μS	1.389μS	222.222μS	1.25μS	222.222μS	1.25μS
Accuracy	± 0.2% of (Setting + Range)															
Constant Voltage Mode																
Range	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V	150V
Resolution	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV	2.5mV
Accuracy	± 0.05% of (Setting + Range)															
Constant Power Mode																
Range	600W	6000W	800W	8000W	1000W	10000W	1200W	12000W	1500W	15000W	1800W	18000W	2000W	20000W	2400W	24000W
Resolution	9.6mW	96mW	12.8mW	128mW	16mW	160mW	19.2mW	192mW	24mW	240mW	28.8mW	288mW	32mW	320mW	38.4mW	384mW
Accuracy	± 0.1% of (Setting + Range)															
Short/OCP/OPP Test Function																
Short Time	100ms~10 Sec. or Continue															
Meas. Accuracy	NA															
OCP Time(Tstep)	100ms															
Meas. Accuracy	NA															
OPP Time(Tstep)	100ms															
Meas. Accuracy	NA															
Constant Voltage Mode + Constant Current Mode																
Range	150V	600A	150V	800A	150V	1000A	150V	1200A	150V	1500A	150V	1800A	150V	2000A	150V	2000A
Resolution	2.5mV	9.6mA	2.5mV	12.8mA	2.5mV	3.2mA	2.5mV	19.2mA	2.5mV	24mA	2.5mV	28.8mA	2.5mV	32mA	2.5mV	32mA
Accuracy	± 0.1% of (Setting + Range)															
Constant Voltage Mode + Constant Power Mode																
Range	150V	6000W	150V	8000W	150V	10000W	150V	12000W	150V	15000W	150V	18000W	150V	20000W	150V	24000W
Resolution	2.5mV	96mW	2.5mV	128mW	2.5mV	160mW	2.5mV	192mW	2.5mV	240mW	2.5mV	288mW	2.5mV	320mW	2.5mV	384mW
Accuracy	± 0.1% of (Setting + Range)															
Surge Test																
Surge & Normal current	0~60A	0~800A	0~1000A	0~1200A	0~1500A	0~1800A	0~2000A	0~2000A	0~2000A	0~2000A	0~2000A	0~2000A	0~2000A	0~2000A	0~2000A	0~2000A
Surge time	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms
Surge step	1~5															
MPPT Mode																
Algorithm	P&O															
Load mode	CV															
P&O interval	1000ms~60000ms ; resolution 1000ms															
Dynamic Mode																
Timing																
Thigh & Tlow	0.010~9.999 / 99.99 / 999.9 / 9999ms															
Resolution	0.001 / 0.01 / 0.1 / 1ms															
Accuracy	1μS/10μS/100μS/1ms ± 50ppm															
Slew rate	0.0144A ~ 0.9A/μS	0.144A ~ 9A/μS	0.0192A ~ 1.2A/μS	0.192A ~ 12A/μS	0.024A ~ 1.5A/μS	0.24A ~ 15A/μS	0.0288A ~ 1.8A/μS	0.288A ~ 18A/μS	0.036A ~ 2.25A/μS	0.36A ~ 22.5A/μS	0.0432A ~ 2.7A/μS	0.432A ~ 27A/μS	0.048A ~ 3A/μS	0.48A ~ 30A/μS	0.048A ~ 3A/μS	0.48A ~ 30A/μS
Resolution	0.0038A/μS	0.038A/μS	0.0048A/μS	0.048A/μS	0.006A/μS	0.06A/μS	0.0072A/μS	0.072A/μS	0.009A/μS	0.09A/μS	0.0108A/μS	0.108A/μS	0.012A/μS	0.12A/μS	0.012A/μS	0.12A/μS
Min. Rise Time	66.7μS(typical)															
Current																
Range	0 ~ 60A	60 ~ 600A	0 ~ 80A	80 ~ 800A	0 ~ 100A	100 ~ 1000A	0 ~ 120A	120 ~ 1200A	0 ~ 150A	150 ~ 1500A	0 ~ 180A	180 ~ 1800A	0 ~ 200A	200 ~ 2000A	0 ~ 200A	200 ~ 2000A
Resolution	0.96mA	9.6mA	1.28mA	12.8mA	1.6mA	16mA	1.92mA	19.2mA	2.4mA	24mA	2.88mA	28.8mA	3.2mA	32mA	3.2mA	32mA
Measurement																
Voltage Read Back																
Range (S Digital)	0 ~ 15V	15 ~ 150V	0 ~ 15V	15 ~ 150V	0 ~ 15V	15 ~ 150V	0 ~ 15V	15 ~ 150V	0 ~ 15V	15 ~ 150V	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	0.25mV	2.5mV	0.25mV	2.5mV	0.25mV	2.5mV	0.25mV	2.5mV	0.25mV	2.5mV
Accuracy	± 0.025% of (Reading + Range)															
Current Read Back																
Range (S Digital)	0 ~ 60A	60 ~ 600A	0 ~ 80A	80 ~ 800A	0 ~ 100A	100 ~ 1000A	0 ~ 120A	120 ~ 1200A	0 ~ 150A	150 ~ 1500A	0 ~ 180A	180 ~ 1800A	0 ~ 200A	200 ~ 2000A	0 ~ 200A	200 ~ 2000A
Resolution	0.96mA	9.6mA	1.28mA	12.8mA	1.6mA	16mA	1.92mA	19.2mA	2.4mA	24mA	2.88mA	28.8mA	3.2mA	32mA	3.2mA	32mA
Accuracy	± 0.05% of (Reading + Range)															
Power Read Back																
Range (S Digital)	6000W		8000W		10000W		12000W		15000W		18000W		20000W		24000W	
Accuracy ⁴⁾	± 0.05% of (Reading + Range)															
General																
Typical Short Resistance	0.0012Ω	0.0009Ω	0.0007Ω	0.0006Ω	0.0006Ω	0.0006Ω	0.0006Ω	0.0006Ω	0.0005Ω	0.0005Ω	0.0004Ω	0.0004Ω	0.0004Ω	0.0004Ω	0.0004Ω	0.0004Ω
Maximum Short Current	600A	800A	1000A	1200A	1500A	1800A	2000A	2000A	2000A	2000A	2000A	2000A	2000A	2000A	2000A	2000A
Load ON Voltage	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V	0.25 ~ 62.5V
Load OFF Voltage	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V	0 ~ 62.5V
Normal Line Input	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase
Line voltage range	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac
Line frequency range	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz
Power Consumption	510VA	920VA	920VA	920VA	920VA	920VA	920VA	920VA	1320VA	1320VA	1320VA	1320VA	1700VA	1700VA	1700VA	1700VA
Dimension(HxWxD)	445.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	886.6mm x 481mm x 757.3mm	886.6mm x 481mm x 757.3mm	886.6mm x 481mm x 757.3mm	886.6mm x 481mm x 757.3mm
Weight	62KG	77.5KG	84.8KG	92KG	92KG	92KG	92KG	92KG	116.5KG	116.5KG	124KG	124KG	140.5KG	140.5KG	140.5KG	155KG
Temperature ⁵⁾	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 F.S. = Vrange F.S. x Irange F.S.
 Note ⁵⁾: Operating temperature range is 0~40°C. All specifications apply for 25°C±5°C. Except as noted

All specifications are subject to change without notice.

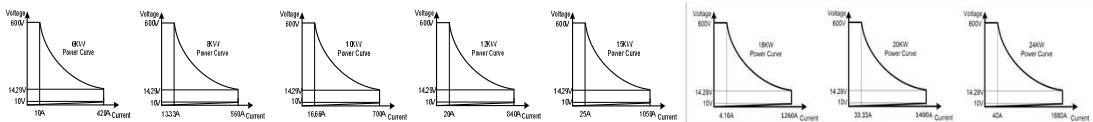




Model	PEL-5000C-600-420	PEL-6008C-600-660	PEL-6010C-600-700	PEL-6012C-600-840	PEL-6016C-600-1050	PEL-6016C-600-1260	PEL-6020C-600-1400	PEL-6024C-600-1680								
Power ¹⁾	6KW	8KW	8KW	10KW	10KW	12KW	12KW	15KW	15KW	18KW	18KW	20KW	20KW	24KW	24KW	
Current	0 ~ 42A	0 ~ 420A	0 ~ 56A	0 ~ 560A	0 ~ 70A	0 ~ 700A	0 ~ 84A	0 ~ 840A	0 ~ 105A	0 ~ 1050A	0 ~ 126A	0 ~ 1260A	0 ~ 140A	0 ~ 1400A	0 ~ 168A	0 ~ 1680A
Voltage	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 600V
Min. Operating Voltage	10V@420A	10V@560A	10V@700A	10V@840A	10V@1050A	10V@1260A	10V@1400A	10V@1680A								
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⁾	42A	420A	56A	560A	70A	700A	84A	840A	105A	1050A	126A	1260A	140A	1400A	168A	1680A
Resolution	0.672mA	6.72mA	0.896mA	8.96mA	1.12mA	11.2mA	1.344mA	13.44mA	1.68mA	16.8mA	2.016mA	20.16mA	2.24mA	22.4mA	2.688mA	26.88mA
Accuracy ³⁾	± 0.05% of (Setting + Range)															
Constant Resistance Mode																
Range	107120 ~ 1.4286Ω	1.4286Ω ~ 0.0284Ω	0.0284Ω ~ 1.0714Ω	1.0714Ω ~ 0.01786Ω	0.01786Ω ~ 0.02712Ω	0.02712Ω ~ 0.01436Ω	0.01436Ω ~ 0.01000Ω	0.01000Ω ~ 0.00714Ω	0.00714Ω ~ 0.00510Ω	0.00510Ω ~ 0.00371Ω	0.00371Ω ~ 0.00271Ω	0.00271Ω ~ 0.00191Ω	0.00191Ω ~ 0.00136Ω	0.00136Ω ~ 0.00096Ω	0.00096Ω ~ 0.00071Ω	0.00071Ω ~ 0.00051Ω
Resolution	11.666μS	23.84μS	15.555μS	17.88μS	19.444μS	14.304μS	23.339μS	11.92μS	29.167μS	9.536μS	35.000μS	7.947μS	38.889μS	7.152μS	46.667μS	5.96μS
Accuracy	± 0.2% of (Setting + Range)															
Constant Voltage Mode																
Range	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V
Resolution	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV
Accuracy	± 0.05% of (Setting + Range)															
Constant Power Mode																
Range	600W	6000W	800W	8000W	1000W	10000W	1200W	12000W	1500W	15000W	1800W	18000W	2000W	20000W	2400W	24000W
Resolution	9.6mW	96mW	12.8mW	128mW	16mW	160mW	19.2mW	192mW	24mW	240mW	28.8mW	288mW	32mW	320mW	38.4mW	384mW
Accuracy	± 0.2% of (Setting + Range)															
Short/OCP/OPP Test Function																
Short Time	100ms~10 Sec. or Continue															
Meas. Accuracy	NA															
OCP Time(Step)	100ms															
Meas. Accuracy	NA															
OPP Time(Step)	100ms															
Meas. Accuracy	NA															
Constant Voltage Mode + Constant Current Mode																
Range	600V	420A	600V	560A	600V	700A	600V	840A	600V	1050A	600V	1260A	600V	1400A	600V	1680A
Resolution	10mV	6.72mA	10mV	8.96mA	10mV	11.2mA	10mV	13.44mA	10mV	16.8mA	10mV	20.16mA	10mV	22.4mA	10mV	26.88mA
Accuracy	± 1.0% of (Setting + Range)															
Constant Voltage Mode + Constant Power Mode																
Range	600V	6000W	600V	8000W	600V	10000W	600V	12000W	600V	15000W	600V	18000W	600V	20000W	600V	24000W
Resolution	10mV	96mW	10mV	128mW	10mV	160mW	10mV	192mW	10mV	240mW	10mV	288mW	10mV	320mW	10mV	384mW
Accuracy	± 1.0% of (Setting + Range)															
Surge Test																
Surge & Normal current	0~420A	0~560A	0~700A	0~840A	0~1050A	0~1260A	0~1400A	0~1680A								
Surge time	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms								
Surge step	1~5															
MPPT Mode																
Algorithm	P&O															
Load mode	CV															
P&O interval	1000ms~60000ms ; resolution 1000ms															
Dynamic Mode																
Timing																
Thigh & Tlow	0.010~9.999 / 99.99 / 999.9 / 9999ms															
Resolution	0.001 / 0.01 / 0.1 / 1ms															
Accuracy	1μS/10μS/100μS/1ms ± 50ppm															
Slew rate	0.0288 ~ 1.8A/μS	0.288A ~ 18A/μS	0.0288A ~ 1.8A/μS	0.288A ~ 18A/μS	0.0336A ~ 2.1A/μS	0.336A ~ 21A/μS	0.0384A ~ 2.4A/μS	0.384A ~ 24A/μS	0.0432A ~ 2.7A/μS	0.432A ~ 27A/μS	0.048A ~ 3A/μS	0.48A ~ 30A/μS	0.0528A ~ 3.3A/μS	0.528A ~ 33A/μS	0.0576A ~ 3.6A/μS	0.576A ~ 36A/μS
Resolution	0.0072A/μS	0.072A/μS	0.0072A/μS	0.072A/μS	0.0084A/μS	0.084A/μS	0.0096A/μS	0.096A/μS	0.0108A/μS	0.108A/μS	0.012A/μS	0.12A/μS	0.0132A/μS	0.132A/μS	0.0144A/μS	0.144A/μS
Current																
Range	0 ~ 42A	42 ~ 420A	0 ~ 56A	56 ~ 560A	0 ~ 70A	70 ~ 700A	0 ~ 84A	84 ~ 840A	0 ~ 105A	105 ~ 1050A	0 ~ 126A	126 ~ 1260A	0 ~ 140A	140 ~ 1400A	0 ~ 168A	168 ~ 1680A
Resolution	0.672mA	6.72mA	0.896mA	8.96mA	1.12mA	11.2mA	1.344mA	13.44mA	1.68mA	16.8mA	2.016mA	20.16mA	2.24mA	22.4mA	2.688mA	26.88mA
Measurement																
Voltage Read Back																
Range (S Digital)	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V	0 ~ 60V	60 ~ 600V
Resolution	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV
Accuracy	± 0.025% of (Reading + Range)															
Current Read Back																
Range (S Digital)	0 ~ 42A	42 ~ 420A	0 ~ 56A	56 ~ 560A	0 ~ 70A	70 ~ 700A	0 ~ 84A	84 ~ 840A	0 ~ 105A	105 ~ 1050A	0 ~ 126A	126 ~ 1260A	0 ~ 140A	140 ~ 1400A	0 ~ 168A	168 ~ 1680A
Resolution	0.672mA	6.72mA	0.896mA	8.96mA	1.12mA	11.2mA	1.344mA	13.44mA	1.68mA	16.8mA	2.016mA	20.16mA	2.24mA	22.4mA	2.688mA	26.88mA
Accuracy	± 0.05% of (Reading + Range)															
Power Read Back																
Range (S Digital)	6000W	8000W	10000W	12000W	15000W	18000W	20000W	24000W								
Accuracy ⁴⁾	± 0.05% of (Reading + Range)															
General																
Typical Short Resistance	0.0238Ω	0.0179Ω	0.0143Ω	0.0120Ω	0.0096Ω	0.0080Ω	0.0072Ω	0.0060Ω								
Maximum Short Current	420A	560A	700A	840A	1050A	1260A	1400A	1680A								
Load ON Voltage	0.4 ~ 100V	0.4 ~ 100V	0.4 ~ 100V	0.4 ~ 100V	0.4 ~ 100V	0.4 ~ 100V	0.4 ~ 100V	0.4 ~ 100V								
Load OFF Voltage	0 ~ 100V	0 ~ 100V	0 ~ 100V	0 ~ 100V	0 ~ 100V	0 ~ 100V	0 ~ 100V	0 ~ 100V								
Normal Line Input	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase								
Line voltage range	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac								
Line frequency range	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz								
Power Consumption	510VA	920VA	920VA	920VA	1320VA	1320VA	1700VA	1700VA								
Dimension(HxWxD)	445.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm								
Weight	62KG	77.5KG	84.8KG	92KG	116.5KG	124KG	140.5KG	155KG								

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 F.S. = Vrange F.S. x Irange F.S.
 Note ⁵⁾: Operating temperature range is 0~40°C. All specifications apply for 25°C±5°C. Except as noted

All specifications are subject to change without notice.





Model	PEL-5006C-1200-240	PEL-5006C-1200-320	PEL-5010C-1200-400	PEL-5012C-1200-480	PEL-5016C-1200-600	PEL-5016C-1200-720	PEL-5020C-1200-800	PEL-5024C-1200-960
Power ¹⁾	6KW	8KW	10KW	12KW	15KW	18KW	20KW	24KW
Current	0 ~ 24A	0 ~ 32A	0 ~ 40A	0 ~ 48A	0 ~ 60A	0 ~ 72A	0 ~ 80A	0 ~ 96A
Voltage	0 ~ 1200V	0 ~ 1200V	0 ~ 1200V	0 ~ 1200V	0 ~ 1200V	0 ~ 1200V	0 ~ 1200V	0 ~ 1200V
Min. Operating Voltage	15V@240A	15V@320A	15V@400A	15V@480A	15V@600A	15V@720A	15V@800A	15V@960A
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⁾	24A	240A	32A	320A	40A	400A	48A	480A
Resolution	0.384mA	3.84mA	0.512mA	5.12mA	0.64mA	6.4mA	0.768mA	7.68mA
Accuracy ³⁾	± 0.05% of (Setting + Range)							
Constant Resistance Mode								
Range	30KΩ ~ 5Ω	5Ω ~ 0.0625Ω	22.9KΩ ~ 3.75Ω	3.75Ω ~ 0.0468Ω	18KΩ ~ 3Ω	3Ω ~ 0.0375Ω	15KΩ ~ 2.5Ω	2.5Ω ~ 0.0312Ω
Resolution	3.333uS	83.334uΩ	4.444uS	62.5uΩ	6.555uS	50uΩ	6.666uS	41.667uΩ
Accuracy	± 0.2% of (Setting + Range)							
Constant Voltage Mode								
Range	1200V	1200V	1200V	1200V	1200V	1200V	1200V	1200V
Resolution	20mV	20mV	20mV	20mV	20mV	20mV	20mV	20mV
Accuracy	± 0.05% of (Setting + Range)							
Constant Power Mode								
Range	600W	6000W	800W	8000W	1000W	10000W	1200W	12000W
Resolution	9.6mW	96mW	12.8mW	128mW	16mW	160mW	19.2mW	192mW
Accuracy ⁴⁾	± 0.1% of (Setting + Range)							
Short/OCP/OPP Test Function								
Short Time	100ms~10 Sec. or Continue							
Meas. Accuracy	NA							
OCP Time(Tstep)	100ms							
Meas. Accuracy	NA							
OVP Time(Tstep)	100ms							
Meas. Accuracy	NA							
Constant Voltage Mode + Constant Current Mode								
Range	1200V	240A	1200V	320A	1200V	400A	1200V	480A
Resolution	20mV	3.84mA	20mV	5.12mA	20mV	6.4mA	20mV	7.68mA
Accuracy	± 0.1% of (Setting + Range)							
Constant Voltage Mode + Constant Power Mode								
Range	1200V	6000W	1200V	8000W	1200V	10000W	1200V	12000W
Resolution	20mV	96mW	20mV	128mW	20mV	160mW	20mV	240mW
Accuracy	± 0.1% of (Setting + Range)							
Constant Voltage Mode + Constant Current Mode								
Surge & Normal current	0~240A	0~320A	0~400A	0~480A	0~600A	0~720A	0~800A	0~960A
Surge time	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms	10~1000ms
Surge step	1~5							
MPPT Mode								
Algorithm	P&O							
Load mode	CV							
P&O interval	1000ms~60000ms; resolution 1000ms							
Dynamic Mode								
Timing								
Thigh & Tlow	0.010~9.999 / 99.99 / 999.9 / 9999ms							
Resolution	0.001 / 0.01 / 0.1 / 1ms							
Accuracy	1uS/10uS/100uS/1ms ± 50ppm							
Slew rate	0.0192A - 1.2AuS	0.192A - 12AuS	0.0192A - 1.2AuS	0.192A - 12AuS	0.0224A - 1.4AuS	0.224A - 14AuS	0.0256A - 1.6AuS	0.256A - 16AuS
Resolution	0.0048AuS	0.048AuS	0.0048AuS	0.048AuS	0.0056AuS	0.056AuS	0.0064AuS	0.064AuS
Current								
Range	0 ~ 24A	24 ~ 240A	0 ~ 32A	32 ~ 320A	0 ~ 40A	40 ~ 400A	0 ~ 48A	48 ~ 480A
Resolution	0.384mA	3.84mA	0.512mA	5.12mA	0.64mA	6.4mA	0.768mA	7.68mA
Measurement								
Voltage Read Back								
Range (S Digital)	0 ~ 1200V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V
Resolution	2mV	20mV	2mV	20mV	2mV	20mV	2mV	20mV
Accuracy	± 0.025% of (Reading + Range)							
Current Read Back								
Range (S Digital)	0 ~ 24A	24 ~ 240A	0 ~ 32A	32 ~ 320A	0 ~ 40A	40 ~ 400A	0 ~ 48A	48 ~ 480A
Resolution	0.384mA	3.84mA	0.512mA	5.12mA	0.64mA	6.4mA	0.768mA	7.68mA
Accuracy	± 0.05% of (Reading + Range)							
Power Read Back								
Range (S Digital)	6000W	8000W	10000W	12000W	15000W	18000W	20000W	24000W
Accuracy ⁵⁾	± 0.05% of (Reading + Range)							
General								
Typical Short Resistance	0.0625Ω	0.0469Ω	0.0375Ω	0.0313Ω	0.0250Ω	0.0209Ω	0.0188Ω	0.0157Ω
Maximum Short Current	240A	320A	400A	480A	600A	720A	800A	960A
Load ON Voltage	1 ~ 250V	1 ~ 250V	1 ~ 250V	1 ~ 250V	1 ~ 250V	1 ~ 250V	1 ~ 250V	1 ~ 250V
Load OFF Voltage	0 ~ 250V	0 ~ 250V	0 ~ 250V	0 ~ 250V	0 ~ 250V	0 ~ 250V	0 ~ 250V	0 ~ 250V
Normal Line Input	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase	100Vac to 240Vac ± 10%, 50Hz to 60Hz ± 3Hz, single phase
Line voltage range	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac	90Vac ~ 264Vac
Line frequency range	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz	47Hz ~ 63Hz
Power Consumption	510VA	920VA	920VA	920VA	1320VA	1320VA	1700VA	1700VA
Dimension(HxVxD)	445.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	571.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	760.6mm x 481mm x 757.3mm	886.6mm x 481mm x 757.3mm
Weight	62KG	77.5KG	84.8KG	92KG	116.5KG	124KG	140.5KG	155KG
Temperature ⁶⁾	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⁾: If the operating voltage is higher than 600V, the accuracy specification is 0.5% F.S.
 Note ⁵⁾: Power F.S. = Vrange F.S. x Irange F.S.
 Note ⁶⁾: Operating temperature range is 0~40°C. All specifications apply for 25°C±5°C. Except as noted
 All specifications are subject to change without notice.

