



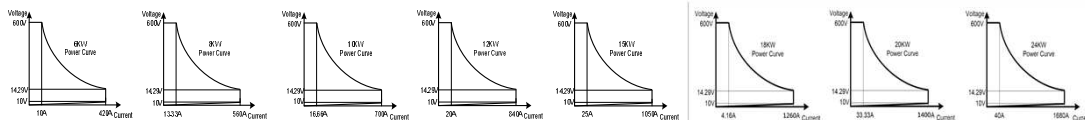
Model	PEL-5008C-150-800				PEL-5008C-150-800				PEL-5010C-150-1000				PEL-5012C-150-1200				PEL-5015C-150-1500				PEL-5018C-150-1800				PEL-5020C-150-2000				PEL-5024C-150-2000																																			
Power ¹⁾	6KW		6KW		8KW		8KW		10KW		10KW		12KW		12KW		15KW		15KW		18KW		18KW		20KW		20KW		24KW		24KW																																	
Current	0 ~ 60A				0 ~ 600A				0 ~ 80A				0 ~ 800A				0 ~ 100A				0 ~ 1000A				0 ~ 120A				0 ~ 1200A				0 ~ 150A				0 ~ 1500A				0 ~ 180A				0 ~ 1800A				0 ~ 200A				0 ~ 2000A				0 ~ 200A				0 ~ 2000A			
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				11250Ω ~ 0.1875Ω				0.1875Ω ~ 0.0009Ω				9000Ω ~ 0.15Ω				0.15Ω ~ 0.0007Ω				7500Ω ~ 0.125Ω				0.125Ω ~ 0.0006Ω				6000Ω ~ 0.1Ω				0.1Ω ~ 0.0005Ω				5000Ω ~ 0.0833Ω				0.0833Ω ~ 0.0004Ω				4500Ω ~ 0.075Ω				0.075Ω ~ 0.0004Ω				4500Ω ~ 0.075Ω				0.075Ω ~ 0.0004Ω			
Resolution	66.666μS				4.167μΩ				88.888μS				3.125μΩ				111.111μS				2.5μΩ				133.333μS				2.08μΩ				166.666μS				1.667μΩ				200μS				1.389μΩ				222.22μS				1.25μΩ				222.22μS				1.25μΩ			
Accuracy	± 0.2% of (Setting + Range)																																																															
Constant Voltage Mode																																																																
Range	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																							
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		3.2mA		2.5mV		24mA		2.5mV		28.8mA		2.5mV		32mA		2.5mV		32mA																																	
Accuracy	± 1.0% 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	± 1.0% of (Setting + Range)																																																															
Surge Test																																																																
Surge & Normal current	0~600A				0~800A				0~1000A				0~1200A				0~1500A				0~1800A				0~2000A				0~2000A				0~1800A				0~1500A				0~1200A				0~1000A																			
Surge time	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				0.360A ~ 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	0.0036A/μS				0.036A/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											
Min. Rise Time	66.7uS(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⁾	± 0.06% of (Reading + Range)																																																															
General																																																																
Typical Short Resistance	0.0012Ω				0.0009Ω				0.0007Ω				0.0006Ω				0.0005Ω				0.0004Ω				0.0004Ω				0.0004Ω				0.0004Ω				0.0004Ω																											
Maximum Short Current	600A				800A				1000A				1200A				1500A				1800A				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																											
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																											
Nominal 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																															
Line voltage range	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																											
Power Consumption	510VA				920VA				920VA				920VA				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 445.2mm x 757.3mm				760.6mm x 481mm x 757.3mm				760.6mm x 445.2mm x 757.3mm				886.6mm x 481mm x 757.3mm				886.6mm x 481mm x 757.3mm				886.6mm x 445.2mm x 757.3mm																											
Weight	341.6mm x 445.2mm x 757.3mm				487.6mm x 445.2mm x 757.3mm				487.6mm x 445.2mm x 757.3mm				487.6mm x 445.2mm x 757.3mm				487.6mm x 445.2mm x 757.3mm				656.6mm x 445.2mm x 757.3mm				656.6mm x 445.2mm x 757.3mm				782.6mm x 445.2mm x 757.3mm				782.6mm x 445.2mm x 757.3mm				782.6mm x 445.2mm x 757.3mm																											
Temperature ⁵⁾	62KG				77.5KG				84.8KG				92KG				116.5KG				124KG				140.5KG				155KG				155KG																															
Safety & EMC																																																																
CE																																																																



Model	PEL-6008C-600-420	PEL-6008C-600-560	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	6KW	8KW	8KW	10KW	10KW	12KW	12KW
Current	0 ~ 42A	0 ~ 420A	0 ~ 56A	0 ~ 560A	0 ~ 70A	0 ~ 700A	0 ~ 84A	0 ~ 840A
Voltage	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 18712Ω ~ 1.4286Ω, 4.2850Ω ~ 0.0284Ω, 64284Ω ~ 1.0714Ω, 1.0714Ω ~ 0.01784Ω, 51427.2Ω ~ 0.85712Ω, 0.85712Ω ~ 0.01428Ω, 42858Ω ~ 0.71428Ω, 0.71428Ω ~ 0.0110Ω, 14284.8Ω ~ 0.237141Ω, 0.237141Ω ~ 0.00989Ω, 28476.8Ω ~ 0.47619Ω, 0.47619Ω ~ 0.007941Ω, 4.7619Ω ~ 0.007941Ω, 0.007941Ω ~ 0.000989Ω, 0.000989Ω ~ 0.000107Ω, 0.000107Ω ~ 0.0000107Ω Resolution 11.6669uS, 23.84uS, 15.5559uS, 17.88uS, 19.4449uS, 14.304uS, 23.3339uS, 11.92uS, 29.1674uS, 9.536uS, 35.0009uS, 7.947uS, 38.889uS, 7.152uS, 46.6679uS, 5.96uS Accuracy ± 0.2% of (Setting + Range)							
Constant Voltage Mode	Range 600V, 600V, 600V, 600V, 600V, 600V, 600V, 600V Resolution 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), ± 0.1% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% of (Setting + Range), ± 0.2% 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 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 ± 0.1% of (Setting + Range)							
Constant Voltage Mode + Constant Power Mode	Range 600V, 6000W, 800V, 8000W, 600V, 10000W, 600V, 12000W, 600V, 15000W, 600V, 18000W, 600V, 20000W, 600V, 24000W Resolution 10mV, 96mW, 128mW, 128mW, 10mV, 160mW, 10mV, 192mW, 10mV, 240mW, 10mV, 288mW, 10mV, 320mW, 10mV, 384mW Accuracy ± 0.1% 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 10~100ms, 10~100ms, 10~100ms, 10~100ms, 10~100ms, 10~100ms, 10~100ms, 10~100ms Surge step 1~5							
MPPT Mode	Algorithm P&O Load mode CV P&O interval 1000ms~6000ms; 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 0.0288 ~ 1.8AuS, 0.288A ~ 18AuS, 0.0288A ~ 1.8AuS, 0.288A ~ 18AuS, 0.0336A ~ 2.1AuS, 0.336A ~ 21AuS, 0.0384A ~ 2.4AuS, 0.384A ~ 24AuS, 0.0432A ~ 2.7AuS, 0.432A ~ 27AuS, 0.048A ~ 3AuS, 0.48A ~ 30AuS, 0.0528A ~ 3.3AuS, 0.528A ~ 33AuS, 0.0576A ~ 3.6AuS, 0.576A ~ 36AuS Resolution 0.0072AuS, 0.072AuS, 0.0072AuS, 0.072AuS, 0.0084AuS, 0.084AuS, 0.0096AuS, 0.096AuS, 0.0108AuS, 0.108AuS, 0.012AuS, 0.12AuS, 0.0132AuS, 0.132AuS, 0.0144AuS, 0.144AuS							
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 Nominal 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 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, 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 Weight 62KG, 77.5KG, 84.8KG, 92KG, 116.5KG, 124KG, 140.9KG, 155KG							
Safety & EMC	Temperature ⁵⁾ 0~40°C Safety & EMC CE							

Note ¹⁾: The power rating specifications at ambient temperature = 25°CNote ²⁾: The range is automatically or forcing to range II only in CC modeNote 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-5018C-1200-720		PEL-5020C-1200-800		PEL-5024C-1200-960	
Power ¹⁾	6KW	6KW	8KW	8KW	10KW	10KW	12KW	12KW	15KW	15KW	18KW	20KW	20KW	24KW	24KW	24KW
Current	0 ~ 24A		0 ~ 240A		0 ~ 32A		0 ~ 320A		0 ~ 40A		0 ~ 400A		0 ~ 48A		0 ~ 480A	
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	60A	600A	72A	720A	80A	800A	96A	960A
Resolution	0.384mA	3.84mA	0.512mA	5.12mA	0.64mA	6.4mA	0.768mA	7.68mA	0.96mA	9.6mA	1.152mA	11.52mA	1.28mA	12.8mA	1.536mA	15.36mA
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	19KΩ ~ 2.5Ω	2.5Ω ~ 0.0312Ω	12KΩ ~ 2Ω	2Ω ~ 0.0250Ω	10KΩ ~ 1.666Ω	1.666Ω ~ 0.0209Ω	9KΩ ~ 1.5Ω	1.5Ω ~ 0.0187Ω	7.5KΩ ~ 1.25Ω	1.25Ω ~ 0.0156Ω
Resolution	3.33Ω	83.33μΩ	4.44μΩ	62.5μΩ	5.555μΩ	50μΩ	6.666μΩ	41.667μΩ	6.333μΩ	33.33μΩ	10μΩ	27.778μΩ	11.111μΩ	25μΩ	13.33μΩ	20.83μΩ
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	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 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															
OPP Time(Tstep)	100mS															
Meas. Accuracy	NA															
Constant Voltage Mode + Constant Current Mode																
Range	1200V	240A	1200V	320A	1200V	400A	1200V	480A	1200V	600A	1200V	720A	1200V	800A	1200V	960A
Resolution	20mV	3.84mA	20mV	5.12mA	20mV	6.4mA	20mV	7.68mA	20mV	9.6mA	20mV	3.2mA	20mV	3.84mA	20mV	15.36mA
Accuracy	± 1.0% of (Setting + Range)															
Constant Voltage Mode + Constant Power Mode																
Range	1200V	6000W	1200V	8000W	1200V	10000W	1200V	12000W	1200V	15000W	1200V	18000W	1200V	20000W	1200V	24000W
Resolution	20mV	96mW	20mV	128mW	20mV	160mW	20mV	192mW	20mV	240mW	20mV	288mW	20mV	320mW	20mV	384mW
Accuracy	± 1.0% of (Setting + Range)															
Constant Voltage Mode + Constant Current Mode																
Surge & Nominal current	0~240A		0~320A		0~400A		0~480A		0~600A		0~720A		0~800A		0~960A	
Surge time	10~100ms		10~100ms		10~100ms		10~100ms		10~100ms		10~100ms		10~100ms		10~100ms	
Surge step	1~5															
MPPT Mode																
Algorithm	P&O															
Load mode	CV															
P&O interval	1000ms~6000ms : 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	0.0192A~1.2A/μs	0.192A~12A/μs	0.0192A~1.2A/μs	0.192A~12A/μs	0.0224A~1.4A/μs	0.224A~14A/μs	0.0256A~1.6A/μs	0.256A~16A/μs	0.0288A~1.8A/μs	0.288A~18A/μs	0.032A~2A/μs	0.32A~20A/μs	0.0352A~2.2A/μs	0.352A~22A/μs	0.0384A~2.4A/μs	0.384A~24A/μs
Resolution	0.0048A/μs	0.048A/μs	0.0048A/μs	0.048A/μs	0.0056A/μs	0.056A/μs	0.0064A/μs	0.064A/μs	0.0072A/μs	0.072A/μs	0.008A/μs	0.08A/μs	0.0088A/μs	0.088A/μs	0.0096A/μs	0.096A/μs
Current																
Range	0 ~ 24A	24 ~ 240A	0 ~ 32A	32 ~ 320A	0 ~ 40A	40 ~ 400A	0 ~ 48A	48 ~ 480A	0 ~ 60A	60 ~ 600A	0 ~ 72A	72 ~ 720A	0 ~ 80A	80 ~ 800A	0 ~ 96A	96 ~ 960A
Resolution	0.384mA	3.84mA	0.512mA	5.12mA	0.64mA	6.4mA	0.768mA	7.68mA	0.96mA	9.6mA	1.152mA	11.52mA	1.28mA	12.8mA	1.536mA	15.36mA
Measurement																
Voltage Read Back																
Range (5 Digital)	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V	0 ~ 120V	120 ~ 1200V
Resolution	2mV	20mV	2mV	20mV	2mV	20mV	2mV	20mV	2mV	20mV	2mV	20mV	2mV	20mV	2mV	20mV
Accuracy	± 0.025% of (Reading + Range)															
Current Read Back																
Range (5 Digital)	0 ~ 24A	24 ~ 240A	0 ~ 32A	32 ~ 320A	0 ~ 40A	40 ~ 400A	0 ~ 48A	48 ~ 480A	0 ~ 60A	60 ~ 600A	0 ~ 72A	72 ~ 720A	0 ~ 80A	80 ~ 800A	0 ~ 96A	96 ~ 960A
Resolution	0.384mA	3.84mA	0.512mA	5.12mA	0.64mA	6.4mA	0.768mA	7.68mA	0.96mA	9.6mA	1.152mA	11.52mA	1.28mA	12.8mA	1.536mA	15.36mA
Accuracy	± 0.05% of (Reading + Range)															
Power Read Back																
Range (5 Digital)	6000W		8000W		10000W		12000W		15000W		18000W		20000W		24000W	
Accuracy ⁵⁾	± 0.05% of (Reading + Range)															
General																
Typical Short Resistance	0.0625Ω		0.0468Ω		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	
Nominal 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		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	
Weight (Weight without Power Board)	445.6mm x 445.2mm x 757.3mm		571.6mm x 445.2mm x 757.3mm		571.6mm x 445.2mm x 757.3mm		571.6mm x 445.2mm x 757.3mm		760.6mm x 445.2mm x 757.3mm		760.6mm x 445.2mm x 757.3mm		886.6mm x 445.2mm x 757.3mm		886.6mm x 445.2mm x 757.3mm	
Weight (Weight with Power Board, 4000W)	341.6mm x 445.2mm x 757.3mm		467.6mm x 445.2mm x 757.3mm		467.6mm x 445.2mm x 757.3mm		467.6mm x 445.2mm x 757.3mm		656.6mm x 445.2mm x 757.3mm		656.6mm x 445.2mm x 757.3mm		782.6mm x 445.2mm x 757.3mm		782.6mm x 445.2mm x 757.3mm	
Weight	62KG		77.5KG		84.8KG		92KG		116.5KG		124KG		140.9KG		159KG	
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. = Voltage F.S. x Range 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.

