

Model		PEL-503-80-50	PEL-504-80-70	PEL-504-500-15	PEL-507-80-140	PEL-507-500-30					
<b>INPUT RATINGS</b>											
Power(Watt)		250 W	350 W	350 W	700 W	700 W					
Current(Ampere)		50 A	70 A	15 A	140 A	30 A					
Voltage(Volt)		80 V	80 V	500 V	80 V	500 V					
Min. Operating Voltage		1.0V @ 50A	1.2V @ 70A	6V @ 15A	0.9V @ 140A	3V @ 30A					
<b>PROTECTIONS</b>											
Over Power Protection(OPP)		≈262.5W	≈367.5W	≈367.5W	≈735W	≈735W					
Over Current Protection(OCP)		≈52.5A	≈73.5A	≈15.75A	≈147A	≈31.5A					
Over Voltage Protection(OVP)		≈84V	≈84V	≈525V	≈84V	≈525V					
Over Temp. Protection(OTP)		YES	YES	YES	YES	YES					
<b>CC Mode</b>											
Range		0~5.04~50.4A	0~7.02~70.2A	0~1.5~15A	0~14.04~140.4A	0~3~30A					
Resolution		0.084mA/84mA	0.117mA/1.17mA	0.025mA/0.25mA	0.234mA/2.34mA	0.05mA/ 0.5mA					
Accuracy		±0.1% of (SETTING + RANGE)									
<b>CR Mode</b>											
Range		0.016~1.6~96000Ω	0.0114~1.14~68400Ω	0.4~40~2400000Ω	0.0057~0.57~34200Ω	0.2~20~1200000Ω					
Resolution		26.666μΩ/0.010416mSiemens	19μΩ/0.014619mSiemens	666.667μΩ/0.416μSiemens	9.5μΩ/29.239μSiemens	333.334μΩ/0.833μSiemens					
Accuracy		±0.2% of (SETTING + RANGE)									
<b>CV Mode</b>											
Range		0~8.1~81V	0~8.1~81V	0~60~500V	0~8.1~81V	0~60~500V					
Resolution		0.135mV/1.35mV	0.135mV/1.35mV	1mV/10mV	0.135mV/1.35mV	1mV/10mV					
Accuracy		±0.05% of (SETTING + RANGE)									
<b>CP Mode</b>											
Range		0~25.02~250.2W (Imax=r1.5A, r2.50A)	0~35.04~350.4W (Imax=r1.7A, r2.70A)	0~35.04~350.4W (Imax=r1.5A, r2.15A)	0~70.02~700.2W (Imax=r1.14A, r2.140A)	0~70.02~700.2W (Imax=r1.3A, r2.30A)					
Resolution		0.417mW/4.17mW	0.584mW/5.84mW	0.584mW/5.84mW	1.167mW/11.67mW	1.17mW/11.7mW					
Accuracy		±0.5% of (SETTING + RANGE)									
<b>Dynamic Mode</b>											
THIGH/TLOW		10μs to 9.999 Sec									
Resolution		0.001/0.01/0.1/1mS									
Slew rate	L	0.032~2A/μs	0.0464~2.90A/μs	1~62.5mA/μs	0.0096~0.6A/μs	2~125mA/μs					
	H	3.2~200mA/μs	4.64~290mA/μs	10~625mA/μs	0.096~6A/μs	20~1250mA/μs					
Accuracy		±5%±10μs									
<b>Measurement</b>											
Voltage Read Back	Range (5 Digital)	0~8.1~81V		0~8.1~81V		0~60~500V		0~8.1~81V		0~60~500V	
	Resolution	0.135mV/1.35mV		0.135mV/1.35mV		1mV/10mV		0.135mV/1.35mV		1mV/10mV	
	Accuracy	±0.025% of (READING + RANGE)									
Current Read Back	Range (5 Digital)	0~5.04~50.4A		0~7.02~70.2A		0~1.5~15A		0~14.04~140.4A		0~3~30A	
	Resolution	0.084mA/84mA		0.117mA/1.17mA		0.025mA/0.25mA		0.234mA/2.34mA		0.05mA/ 0.5mA	
	Accuracy	±0.1% of (READING + RANGE)									
Power Read Back	Range (5 Digital)	25W	250W	35W	350W	35W	350W	70W	700W	70W	700W
	Resolution	0.001W	0.01W	0.001W	0.01W	0.001W	0.01W	0.001W	0.01W	0.001W	0.01W
	Accuracy	±0.1% of (READING + RANGE)									
<b>Surge Test</b>											
Surge & Normal current		0~50A		0~70A		0~15A		0~140A		0~30A	
Surge time		10~1000ms		10~1000ms		10~1000ms		10~1000ms		10~1000ms	
Surge step		1~5		1~5		1~5		1~5		1~5	
<b>Battery Discharge Test</b>											
UVP		0~81V		0~81V		0~500V		0~81V		0~500V	
Time		1~99999 Sec		1~99999 Sec		1~99999 Sec		1~99999 Sec		1~99999 Sec	
Capacity		0.1~19999.9AH/0.1~19999.9WH									
<b>Others</b>											
Load ON Voltage		0.1~25V			0.4~100V		0.1~25V		0.4~100V		
Accuracy		1% of (SETTING + RANGE)									
Load OFF Voltage		0~25V			0~100V		0~25V		0~100V		
Accuracy		0.05% of (SETTING + RANGE)									
Imonitor (Non-isolated)		5.04 A/V		7.02 A/V		1.5 A/V		14.04 A/V		3 A/V	
Current Monitor		Full scale: 10V									
Accuracy		0.5% of (SETTING+ RANGE)									
Typical Short Resistance		0.018Ω		0.0169Ω		0.367Ω		0.0053Ω		0.087Ω	
Max short Current		50A		70A		15A		140A		30A	
Power input		115/230 Vac±10%, 50/60Hz									
Interface (Standard)		USB/RS232									
Power Consumption		40 VA				60 VA					
Dimension (HxWxD)		205 x 123 x 477mm		205 x 123 x 477mm		205 x 123 x 477mm		205 x 231 x 480mm		205 x 231 x 480mm	
Weight		5.3Kg		5.3Kg		5.3Kg		10.3Kg		10.3kg	