Programmable DC Electronic Load

PEL-8000 Series

CE





PEL series product is a new generation of DC electronic load, adopt new chip to achieve high speed and high precision design, provide 0.1 mV and 0.01 mA resolution (basic accuracy is 0.03%, the current rise of 2.5 A/us), with novel appearance, scientific and rigorous production technology, this one is more cost-effective compare to similar products. It can be widely used in the production line (phone charger, cell phone batteries, electric vehicle batteries, switch power supply, linear power supply), scientific research institutions, automotive electronics, aerospace, marine, solar batteries, fuel cells and other industries.

- CC , CV , CR , CP , short circuit, dynamic and other working modes
- Over voltage, overcurrent, overpower, overheat, polarity reverse protection
- High brightness vacuum VFD screen and display V,A,P simultaneously

Standard RS-232☑ SENSE ☑

- Accuracy of 0.1%
- Support external trigger input, output
- Automatic test function setting, more convenient operation
- RS - 232 interface. Optional special communication line connecting computer

Model		PEL-8150		PEL-8300	
Input Rating	Power	150W		300W	
	Current	0~30A		0~60A	
	Voltage	150V			
CC mode	Range	0-3A	0-30A	0-6A	0-60A
	Resolution	0.1mA			
	Accuracy	0.03%+0.05%			
CV mode	Range	0.1-19.999V		0.1-150V	
	Resolution	1mV	10mV	1mV	10mV
	Accuracy	0.03%+0.05%			
CR mode	Range	0.3Ω-10k	0.3Ω-5k	0.3Ω-10k	0.3Ω-5k
	Resolution	16 bits			
	Accuracy	0.2%+0.2%		0.1%+0.1%	
CW mode	Range	0-150W	0-150W	0-300W	0-300W
	Resolution	1mW	10mW	1mW	10mW
	Accuracy	0.2%+0.2%		0.1%+0.1%	
V Measurement	Voltage	0-19.999V	0-150V	0-19.999V	0-150V
	Resolution	0.1mV	1mV	0.1mV	1mV
	Accuracy	0.015%0.05%FS	0.015%0.05%FS	0.015%0.03%FS	0.015%0.02%FS
C Measurement	Current	0-3A	0-30A	0-6A	0-60A
	Resolution	0.1mA	1mA	0.1mA	1mA
	Accuracy	0.03%+0.05%FS	0.03%+0.08%FS	0.03%+0.05%FS	0.03%+0.08%FS
W Measurement	Watt	100W	150W	100W	300W
	Resolution	1mW	10mW	1mW	10mW
	Accuracy	0.2%+0.2%		0.1%+0.1%	
Battery Measurement Battery Input : 0.5-150V Max.Measurement:capacity=999/H;Resolution=0.1mA;Time=Range=1S-16HS					
Dynamic Measurement TransitionList: 0-25Khz;2.5A/us ; T1&T2: 60Us-999S;Accuracy: ±15%offset+10%FS					
1mS;2mS;5mS;10mS;20mS;50mS;100mS;200mS;Accuracy:±15%offset+10%FS					
Short circuit	Current(CC)	3A	30A	6A	60A
	Voltage(CV)	0V			
	Resistance(CR)	55mΩ	25mΩ	300mΩ	
Temperature	Operating	0-40℃			
	Environment	-10℃~70℃			
Net weight	kg	4.1		4.9	
Gross weight	kg	5		5.8	
Instrument size (W*H*D)	mm	215*100*355			
Packing size (W*H*D)	mm	310*200*480			