



PEL-8150/8300

High Precision Electronic Load

PEL-8000 series adopts high-performance chip high-speed and high-precision design, providing resolution of 0.1mV, 0.01mA (basic accuracy is 0.03%, basic current rise rate is 2.5A / US)

Features

- CC, CV, CR, CP, short circuit, dynamic and other working modes

- Overvoltage, overcurrent, overpower, overtemperature, reverse polarity protection
- High-brightness VFD screen, displaying V A P at the same time
-

model		PEL-8150		PEL-8300	
Rated input	power	150W		300W	
	Electric current	0 ~ 30A		0 ~ 60A	
	Voltage	150V			
Constant current mode	range	0 ~ 3A	0 ~ 30A	0 ~ 6A	0 ~ 60A
	Resolution	0.1mA	1mA	0.1mA	1mA
	Accuracy	0.03% + 0.05%			
Constant voltage mode	range	0.1 ~ 19.999V 0.1 ~ 150V			
	Resolution	1mV	10mV	1mV	10mV
	Accuracy	0.03% + 0.05% FS			
Constant resistance mode (when input voltage and current value $\geq 10\%$ of full scale)	range	0.03 Ω ~ 10k	0.03 Ω ~ 5k	0.3 Ω ~ 10k	0.3 Ω ~ 5k
	Resolution	16bits			
	Accuracy	0.2% + 0.2% FS		0.1% + 0.1% FS	
Constant power mode (when input voltage and current value $\geq 10\%$ of full scale)	range	0 ~ 150W		0 ~ 300W	
	Resolution	1mV	10mV	1mV	10mV
	Accuracy	0.2% + 0.2% FS		0.1% + 0.1% FS	
Voltage measurement	Voltage	0 ~ 19.999V	0 ~ 150V	0 ~ 19.999V	0 ~ 150V
	Resolution	1mV	10mV	0.1mV	1mV

	Accuracy	0.015% + 0.05% FS	0.015% + 0.05% FS	0.015% + 0.03% FS	0.015% + 0.02% FS
Current measurement	Electric current	0 ~ 3A	0 ~ 30A	0 ~ 6A	0 ~ 60A
	Resolution	0.1mA	1mA	0.1mA	1mA
	Accuracy	0.05% + 0.1% FS	0.05% + 0.1% FS	0.03% + 0.05% FS	0.03% + 0.08% FS
Power measurement value (when input voltage and current value ≥ 10% of full scale)	power	100W	150W	100W	300W
	Resolution	1mW	10mW	1mW	10mW
	Accuracy	0.2% + 0.2% FS		0.1% + 0.1% FS	
Battery measurement: battery input: 0.5 ~ 150V maximum measurement: capacity = 999 / H; resolution = 0.1mA; actual = range = 1S ~ 16HS					
Dynamic test function: 0 ~ 5kHz; T1 & T2: 60Us ~ 999S; Accuracy: ± 15% offset + 10% FS					
Current soft start time: 1mS; 2mS; 5mS; 10mS; 20mS; 50mS; 100mS; 200mS; 500mS; 1000mS; 2000mS; Accuracy: ± 15% offset + 10% FS					
Short circuit function	Current (CC)	3A	30A	6A	60A
	Voltage (CV)	0V			
	Resistance (CR)		55mΩ		25mΩ
temperature	Operating temperature	0 ~ 40 ° C / 80RH			
	storage temperature	-10 ° C ~ 70 ° C / 80RH			
Bare metal size (W * H * D)	mm	215 * 100 * 355			
Packing size (W * H * D)	mm	310 * 200 * 480			
net weight	kg	4.1		4.9	

Gross weight	kg	5	5.8
--------------	----	---	-----