

D.C. ELECTRONIC LOAD



PEL-300

CE Patent No: 81011/81324

FEATURES

- * Operating Voltage DC 3 ~ 60V
- * Operating Current 6mA ~ 60A
- * Operating Power 1 ~ 300W
- * Easy Operation, with UP/DOWN Key
- * High Resolution : 20mV, 0.2mA, 0.33mΩ
- * Over Voltage, Over Current, Over Power Protection
- * 100 Sets Memory
- * Operation Mode : Constant Voltage Mode ; Constant Current Mode ; Constant Resistance Mode
- * Transient Generator Frequency Frequency Range : 1Hz ~ 1kHz ; Duty Range : 10% ~ 90%
- * Self-Test and Software Calibration
- * Meet UL CSA IEC Safety Regulation

The PEL-300 is single output, 300W, programmable DC electronic load. OVP, OCP, and OPP protect PEL from unexpected conditions. Compliance to major standards, US, CSA, and IEC, enhances safety level. High resolution is maintained at 10mV, 0.2mA, and 0.33mΩ. Configuration is simplified with output limit store/recall function and timer operation mode. Self-test and software calibration features reduce maintenance overhead. The PEL-300 is suitable to work in laboratory and production line applications, where safety and reliability are the top priorities.

SPECIFICATIONS

RATING	
Operating Voltage	DC 3 ~ 60V
Current	6mA ~ 60A
Power	1 ~ 300W
Minimum Operation	3V
CV MODE	
Operating Range	DC 3 ~ 60V
Setting Accuracy	± (0.1% + 40mV)
Setting Resolution	20mV
CC MODE	
Operating Range	6mA ~ 60A
Setting Accuracy	6.02A ~ 60A Range ± (0.5% + 100mA) 0.602A ~ 6A Range ± (0.1% + 10mA) 6mA ~ 0.6A Range ± (0.1% + 1mA)
Setting Resolution	6.02A ~ 60A Range 20mA 0.602A ~ 6A Range 2mA 6mA ~ 0.6A Range 0.2mA
CR MODE	
Operating Range	50m ~ 1k
Setting Accuracy	100.33 ~ 1k ±(5% + 1) 10.033 ~ 100 ±(5% + 100m) 1.0033 ~ 10 ±(5% + 1m) 50m ~ 1 ±(5% + 1m)
Setting Resolution	100.33 ~ 1k 330m 10.033 ~ 100 33m 1.0033 ~ 10 3.3m 50m ~ 1 0.33m
DYNAMIC OPERATION CC MODE ONLY	
Frequency Range	1Hz ~ 1kHz
Resolution	105Hz ~ 1kHz Range 5Hz ; 10.5Hz ~ 100Hz Range 0.5Hz 1Hz ~ 10Hz Range 0.05Hz
Duty Range	10% ~ 90%
Resolution	1%
VOLTAGE READBACK	
Accuracy	± (0.1% + 60mV)
Resolution	20mV
CURRENT READBACK	
Accuracy	6.02A ~ 60A Range ± (0.5% + 100mA); 0.602A ~ 6A Range ± (0.1% + 10mA)
Resolution	6mA ~ 0.6A Range ± (0.1% + 1mA) 6.02A ~ 60A Range 20mA; 0.602A ~ 6A Range 2mA 6mA ~ 0.6A Range 0.2mA
MEMORY	
Store / Recall Sets	0 ~ 99
TIMER	
Range	1 sec ~ 999 Min 59 sec
Resolution	1 sec
Function	for load on
POWER SOURCE	
AC100V/120V/220V/240V±10%, 50/60Hz	
ACCESSORIES	
User manual x 1, Power cord x 1	
DIMENSIONS & WEIGHT	
255(W) x 145(H) x 346(D) mm, Approx. 9kg	

ORDERING INFORMATION

PEL-300 300W DC Electronic Load