



PEL-300



Patent No: 81011/81324

FEATURES

- * Operating Voltage DC 3 ~ 60V
- * Operating Current 6m A ~ 60A
- * Operating Power 1 ~ 300W
- * Easy Operation, with UP/DOWN Key
- * High Resolution : 20m V, 0.2m A, 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 10m V, 0.2m A, and 0.33mΩ. Configuration is simplified with output limit store/recall function and time 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	6m A ~ 60A
Power	1 ~ 300W
Minimum Operation	3V
CV MODE	
Operating Range	DC 3 ~ 60V
Setting Accuracy	± (0.1% + 40m V)
Setting Resolution	20m V
CC MODE	
Operating Range	6m A ~ 60A
Setting Accuracy	± (0.5% + 100m A) for 6.02A ~ 60A ± (0.1% + 10m A) for 0.602A ~ 6A ± (0.1% + 1m A) for 6m A ~ 0.6A
Setting Resolution	20m A for 6.02A ~ 60A 2m A for 0.602A ~ 6A 0.2m A for 6m A ~ 0.6A
CR MODE	
Operating Range	50mΩ ~ 1kΩ
Setting Accuracy	± (5% + 1Ω) for 100.33Ω ~ 1kΩ ± (5% + 100mΩ) for 10.033Ω ~ 100Ω ± (5% + 1mΩ) for 1.0033Ω ~ 10Ω (5% + 1mΩ) for 50mΩ ~ 1Ω
Setting Resolution	330m for 100.33Ω ~ 1kΩ 33m for 10.033Ω ~ 100Ω 3.3m for 1.0033Ω ~ 10Ω 0.33m for 50mΩ ~ 1Ω
DYNAMIC OPERATION CC MODE ONLY	
Frequency Range	1Hz ~ 1kHz
Resolution	5Hz for 100Hz ~ 1kHz ; 0.5Hz for 10Hz ~ 100Hz 0.05Hz for 1Hz ~ 10Hz
Duty Range	10% ~ 90%
Resolution	1%
VOLTAGE READBACK	
Accuracy	± (0.1% + 60m V)
Resolution	20m V
CURRENT READBACK	
Accuracy	± (0.5% + 100m A) for 6.02A ~ 60A ; ± (0.1% + 10m A) for 0.602A ~ 6A ± (0.1% + 1m A) for 6m A ~ 0.6A
Resolution	20m A for 6.02A ~ 60A ; 2m A for 0.602A ~ 6A 0.2m A for 6m A ~ 0.6A
MEMORY	
Store/Recall	0 ~ 99 sets
TIMER	
Range	1 second ~ 999 minutes 59 second
Resolution	1 second
Function	for load on
POWER SOURCE	
AC100V/120V/220V/240V±10% , 50/60Hz	
DIMENSIONS & WEIGHT	
255 (W) x 145 (H) x 346 (D) mm , Approx. 9kg	

ORDERING INFORMATION	
PEL-300	300W DC Electronic Load
ACCESSORIES :	
User manual x 1, Power cord x 1	
Optional Accessories	
GRA-401	Rack Adapter Panel