

# Programmable Electronic Load



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, 0.33mW
- \* Over Voltage, Over Current, Over Power Protection
- \* Memory Store and Recall 100 Points
- \* Max. Power : 300 W
- \* 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

PEL-300

## SPECIFICATIONS

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

D4

ISO-9001 & ISO-14001