

Programmable Electronic Load



Patent No: 81011/81324



PEL-300

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

SPECIFICATIONS

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

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