

Programmable D.C. Power Supply

Patent No: 81011/81324



PPE-1323/3323

- * Easy Operation, with UP/DOWN Key
- * High Resolution: 10mV(20mV,PPS-6020), 1mA (2mA,PPS-1860)
- * Over Voltage Protection, Over Current Protection (PPT&PPS Series by Hardware, PPE Series by Software)
- * Memory Store and Recall 100 Points for PPS-Series & PPE-1323, 50 Points for PPT-Series & PPE-3323
- * Self Test and Software Calibration
- * Meet UL CSA IEC Safety Regulation
- * High Stability, Low Drift * 4 Digit Display

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PPT-1830G/3615G

- * FRONT/REAR Output and Sense Switch Selectable (for PPT-Series & PPS-Series)
- * Auto Step Running With Timer Setting
- * Triple Output (for PPT-Series & PPE-3323)
- * Auto Series and Parallel Operation (for PPT-Series)
- * Auto Tracking (for PPT-Series & PPE-3323)
- * IEEE-488.2 and SCPI Compatible Command set (PPS/PPT)
- * RS-232 Communication Capability (PPE)
- * Labview Driver Software Available (for PPS/PPT Series)

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PPS-1860G/3635G/6020G

SPECIFICATIONS

	MODEL	PPE-1323	PPE-3323	PPT-1830G	PPT-3615G	PPS-1860G	PPS-3635G	PPS-6020G	
OUTPUT	Voltage	0 ~ 32V	0~+32V,0~-32V,3.3V/5V FIXED	0~18Vx2,0~6Vx1	0~36Vx2,0~6Vx1	0 ~ 18V	0 ~ 36V	0 ~ 60V	
	Current	0 ~ 3A	0~+3A,0~-3A,3A FIXED	0~3Ax2,0~5Ax1	0~1.5Ax2,0~3Ax1	0 ~ 6A	0 ~ 3.5A	0 ~ 2A	
	OVP	0 ~ 33V	0~+33V,0~-33V,OLP	0~20Vx2,0~7Vx1	0~38.5Vx2,0~7Vx1	0 ~ 20V	0 ~ 38.5V	0 ~ 63V	
LOAD EFFECT	Voltage	≤6mV	≤6mV	≤3mV rear output (≤6mV front output)					
	Current	≤3mA	≤3mA	≤3mA (≤6mA rating current > 3.5A)					
SOURCE EFFECT	Voltage	≤3mV							
	Current	≤3mA							
RESOLUTION	Voltage	10mV (20mV rating voltage > 36V)							
	Current	1mA (2mA rating current > 3.5A)							
	OVP	10mV(20mV rating voltage > 36V)							
PROGRAM ACCURACY (25+/-5°C)	Voltage	≤0.05% + 25mV (+ 50mV rating voltage > 36V)							
	Current	≤0.2% + 10mA							
	OVP	≤2% + 0.6V							
RIPPLE & NOISE (20Hz ~ 20MHz)	Voltage	Ripple 1mVrms / 3mVp-p							
	Current	Noise 2mVrms / 30mVp-p							
		≤3mA rms (≤ 5mA rms rating current > 3.5A)							
TEMPERATURE(0~40° C) COEFFICIENT	Voltage	≤100ppm + 3mV							
	Current	≤150ppm + 3mA							
READBACK RESOLUTION ACCURACY (25+/-5°C)	Voltage	10mV (20mV rating voltage > 36V)							
	Current	1mA (2mA rating current > 3.5A)							
	OVP	≤0.05% + 25mV (+ 50mV rating voltage > 36V)							
	Current	≤0.2% + 10mA							
RESPONSE TIME	10% ~ 90% VOLTAGE UP	≤100mS							
	90% ~ 10% VOLTAGE DOWN	≤100mS							
READBACK TEMPERATURE COEFFICIENT	Voltage	≤100ppm + 10mV (+ 20mV rating voltage > 36V)							
	Current	≤150ppm + 10mA							
DRIFT	Voltage	≤0.03% + 6mV							
	Current	≤0.1% + 6mA							
TRACK OPERATION (PPT-Series & PPE-3323)	Tracking Error	≤0.1% + 50mV							
	Series Regulation	≤50mV							
PARALLEL OPERATION (PPT-Series only)	Program Accuracy (25+/-5°C)	Voltage	≤0.05% + 25mV (+ 50mV rating voltage > 36V)						
		Current	≤0.2% + 20mA						
		OVP	≤2% + 0.6V						
	Load Effect	Voltage	≤3mV rear output (≤6mV front output)						
		Current	≤6mA (≤ 12mA rating current > 3.5A)						
	Source Effect	Voltage	≤3mV						
		Current	≤6mA						
MEMORY		Store / Recall Points 0 ~ 99 (0 ~ 49 points for PPT-Series & PPE-3323)							
TIMER	Setting time	1 sec ~ 255 Min (max 255 Min x 99 PPS-Series, Max 255 Min x 49 PPT-Series)							
		1 sec ~ 99 Min (max 99 Min x 99 PPE-1323, Max 99 Min x 49 PPE-3323)							
	Resolution Function	1 sec for output working loop (Auto Step running)							
INTERFACE	RS 232 standard for PPE Series; GPIB Interface Standard for PPS/PPT Series								
POWER SOURCE	AC 100V/120V/ 220V/240V ± 10%, 50/60Hz								
ACCESSORIES	Power cord x 1, GTL-104 x 1 PPS-Series & PPE-1323 (x 3 PPT-Series & PPE-3323), Instruction manual x 1								
DIMENSIONS & WEIGHT	255(W) x 145(H) x 346(D) mm; PPS-Series & PPE-1323 :Approx. 9.5kg, PPT-Series & PPE-3323 : Approx. 10kg								

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ISO-9001 & ISO-14001