

MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



PPE-3323



Patent No: 81011/81324



PPT-1830/PPT-3615



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FEATURES

- * Easy Operation with UP/DOWN Key
- * High Resolution: 10mV, 1mA
- * Over Voltage Protection, Over Current Protection (PPT-Series by Hardware, PPE-Series by Software)
- * 50 Sets Memory
- * Self Test and Software Calibration
- * Auto Step Running With Timer Setting
- * FRONT/REAR Output and Sense Switch Selectable (PPT-Series)
- * Triple Output
- * Auto Series and Parallel Operation (PPT-Series)
- * Auto Tracking
- * IEEE-488.2 and SCPI Compatible Command set (PPT-Series)
- * RS-232 Communication (PPE-Series)
- * GPIB Standard Interface (PPT-Series)
- * LabVIEW Driver Software (PPT-Series)
- * High Stability, Low Drift
- * 4 Digit Display
- * IEC Safety Regulation

Rear Panel



PPE-3323



PPT-1830

The PPE/PPT Series are 3-channel, programmable linear DC power supplies with 207, 138 or 126W outputs. The PPE/PPT Series feature OVP and OCP protection and are compliant with all major safety standards (UL, CSA, and IEC) for safe, reliable operation. For extra precision the PPT series include remote sensing that add an extra level of precision by compensating cable losses between loads. The digital interface and smart features simplify operation and configuration with output limit store/recall functions, automatic tracking, automatic serial or parallel operation (PPT-Series), and auto stepping for continuous testing. The series have Labview drivers and SCPI commands as standard for remote control and PC interfacing via RS232 (PPE-2232) and GPIB (PPT-Series). The versatile PPE/PPT-Series are ideal for high-level applications requiring high resolution, multiple outputs, and an extra level of safety.

SPECIFICATIONS					
MODEL	PPE-3323		PPT-1830		PPT-3615
OUTPUT					
Voltage	0~+32V,0~-32V,3.3V/5V FIXED		0~18Vx2,0~6Vx1		0~36Vx2,0~6Vx1
Current	0~+3A,0~-3A,3A FIXED		0~3Ax2,0~5Ax1		0~1.5Ax2,0~3Ax1
OVP	0~+33V,0~-33V		0~20Vx2,0~7Vx1		0~38.5Vx2,0~7Vx1
LOAD REGULATION					
Voltage	≤6mV		≤ 3mV rear output (≤ 6mV front output)		
Current	≤3mA		≤ 3mA (≤ 6mA rating current > 3.5A)		
LINE REGULATION					
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 > 36 V)				
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 COEFFICIENT (0~40 °C)					
Voltage	≤100ppm + 3mV				
Current	≤150ppm + 3mA				
REARBACK RESOLUTION/ACCURACY (25± 5 °C)					
Voltage	10mV (20mV rating voltage > 36V)				
Current	1mA (2mA rating current > 3.5A)				
Voltage	≤0.05% + 25mV (+ 50mV rating voltage > 36V)				
Current	≤0.2% + 10mA				
RESPONSE TIME					
VOLTAGE UP 10% ~ 90%	≤100mS				
VOLTAGE DOWN 90% ~ 10%	≤100mS (≥ rating load)				
REARBACK TEMPERATURE COEFFICIENT					
Voltage	≤100ppm + 10mV (+ 20mV rating voltage > 36V)				
Current	≤150ppm + 10mA				
DRIFT					
Voltage	≤100ppm + 10mV		≤0.03% + 6mV		
Current	≤150ppm + 10mA		≤0.1% + 6mA		
TRACK OPERATION					
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	50 sets				
TIMER					
Setting Time	1 second ~ 255 minutes (Max. 255 minutes x 50 sets for PPT-Series)				
	1 second ~ 99 minutes (Max. 99 minutes x 50 sets for PPE-3323)				
Resolution	1 second				
Function	for output working loop (Auto Step running)				
STANDARD INTERFACE					
RS-232 for PPE-Series; GPIB for PPT-Series					
POWER SOURCE					
AC 100V/120V/ 220V/240V±10%, 50/60Hz					
DIMENSIONS & WEIGHT					
255(W) x 145(H) x 346(D) mm; Approx. 10kg					

ORDERING INFORMATION					
PPE-3323	207W Triple Output Programmable D.C. Power Supply				
PPT-1830	138W Triple Output Programmable D.C. Power Supply				
PPT-3615	126W Triple Output Programmable D.C. Power Supply				
Model	Independent	Series	Parallel	Display Type	Weight (kg)
PPT-1830	(0~18V/0~3A)x2,(0~6V/0~5A)x1	36V/3A	18V/6A	LED	10
PPT-3615	(0~36V/0~1.5A)x2,(0~6V/0~3A)x1	72V/1.5A	36V/3A	LED	10
ACCESSORIES :					
User manual x 1, Power cord x 1, Test lead GTL-105 x 3 (PPE-3323) , GTL-104 x 3 (for PPT-1830/PPT-3615)					
OPTIONAL ACCESSORIES					
GRA-401	Rack Adapter Panel, 19" 4U		GTL-204		European test lead x 3 (for PPT-1830/PPT-3615)
FREE DOWNLOAD					
PPE-3323	PC Software	Remote Control Software	PPT-1830, PPT-3615	Driver	LabView Driver