

# SINGLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



## PPS-3635



Patent No: 81011/81324

### FEATURES

- \* Easy Operation with UP/DOWN Key
- \* High Resolution: 10mV, 1mA
- \* Over Voltage Protection, Over Current Protection ( by Hardware )
- \* 100 Set Memory
- \* Self Test and Software Calibration
- \* Auto Step Running With Time Setting
- \* FRONT/REAR Output and Sense Switch Selectable
- \* IEEE-488.2 and SCPI Compatible Command set
- \* LabVIEW Driver Software
- \* High Stability, Low Drift
- \* 4 Digit Display
- \* IEC Safety Regulation

### Rear Panel



The PPS-3635 is a single output, 126W output, programmable linear DC power supply. OVP and OCP hardware protection, compliance to major safety standards such as UL, CSA, and IEC ensure a high level of safety and reliability. The remote sense adds extra level of precision by compensating cable losses between loads. The SCPI command set and LabVIEW driver access through the GPIB interface provide remote control and ATE software development capability. The flexible PPS-3635 GPIB is ideal for high-level applications requiring high precision and an extra level of safety.

SPECIFICATIONS		
<b>OUTPUT</b>		
Voltage		0 ~ 36V
Current		0 ~ 3.5A
OVP		0 ~ 38.5V
<b>LOAD REGULATION</b>		
Voltage		≤ 3mV rear output ( ≤ 6mV front output )
Current		≤ 3mA ( ≤ 6mA rating current > 3.5A )
<b>LINE REGULATION</b>		
Voltage		≤ 3mV
Current		≤ 3mA
<b>RESOLUTION</b>		
Voltage		10mV ( 20mV rating voltage > 36V )
Current		1mA ( 2mA rating current > 3.5A )
OVP		10mV ( 20mV rating voltage > 36V )
<b>PROGRAM ACCURACY (25±5°C)</b>		
Voltage		≤ 0.05% + 25mV ( + 50mV rating voltage > 36V )
Current		≤ 0.2% + 10mA
OVP		≤ 2% + 0.6V
<b>RIPPLE &amp; NOISE (20Hz ~ 20MHz)</b>		
Voltage		Ripple 1mVrms / 3mVp-p
Current		Noise 2mVrms / 30mVp-p
		≤ 3mA rms ( ≤ 5mA rms rating current > 3.5A )
<b>TEMPERATURE COEFFICIENT (0~40°C)</b>		
Voltage		≤ 100ppm + 3mV
Current		≤ 150ppm + 3mA
<b>READBACK RESOLUTION ACCURACY (25±5°C)</b>		
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
<b>RESPONSE TIME</b>		
VOLTAGE UP	10% ~ 90%	≤ 100mS
VOLTAGE DOWN	90% ~ 10%	≤ 100mS ( ≥ 10% rating load )
<b>READBACK TEMPERATURE</b>		
COEFFICIENT	Voltage	≤ 100ppm + 10mV ( + 20mV rating voltage > 36V )
	Current	≤ 150ppm + 10mA
DRIFT	Voltage	≤ 0.03% + 6mV
	Current	≤ 0.1% + 6mA
<b>MEMORY</b>		
Store/Recall		100 sets
<b>TIMER</b>		
Setting Time		1 second ~ 255 minutes (Max. 255 minutes x 100 Sets)
Resolution		1 second
Function		for output working loop (Auto Step running)
<b>INTERFACE</b>		
GPIB Interface Standard		
<b>POWER SOURCE</b>		
AC 100V/120V/ 220V/240V ±10%, 50/60Hz		
<b>DIMENSIONS &amp; WEIGHT</b>		
255(W) x 145(H) x 346(D) mm; Approx. 9.5kg		

### ORDERING INFORMATION

**PPS-3635** 126W Single Output Programmable D.C. Power Supply

ACCESSORIES :

User manualx1, Power cordx1, Test lead GTL-104 x 1

#### OPTIONAL ACCESSORIES

GRA-401 Rack Adapter Panel, 19" 4U

#### FREE DOWNLOAD

Driver LabView Driver

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