

The Tekpower 3631A is a 80W triple output DC power supply, it has two 25 volt outputs and one 6 volt output. The +6V output is an isolated output. All the three outputs are CC/CV, so they can serve as either voltage or current sources. It is easy to control from the front panel, or with industry standard SCPI commands via the USB, RS232 or GPIB. Up to 10 frequently used operating states may be stored for later recall. The low noise, excellent regulation, and built-in voltmeter/ammeter make this reliable power supply the right choice for many applications. It provides quiet, stable dc power for both manual and automatic testing, in R&D and in manufacturing environments.

Bench top features:

- *0~+6V/0~5A, 0~±25V/0~1A triple output
- *High visible vacuum-fluorescent display
- *Keyboard and knobs with all functions
- *Tracking operation for ±25V output
- *Excellent line and load regulation
- *Low ripple and noise
- *Up to 10 operating states can be stored for later recall
- *Portable, ruggedized case with non-skid feet

System features:

- *USB, RS-232 and GPIB(Optional) interface
- *SCPI(Standard Commands for Programmable Instruments) compatibility
- *I/O Parameters setting directly from front panel

Specifications:

Output Rating			
Voltage Output	0~+6V	0~+25V	0~-25V
Current Output	0~5A	0~1A	0~1A
Ripple and Noise from 20 Hz to 20 MHz			
Voltage	<0.35mVrms/2mVp-p	<0.35mVrms/2mVp-p	<0.35mVrms/2mVp-p
Current	<2mArms	<500uArms	<500uArms
Common mode current	<1.5uArms		
Load Regulation			
Voltage	<0.01%+2mV		
Current	<0.01%+250uV		
Line Regulation			
Voltage	<0.01%+2mV		
Current	<0.01%+250uV		
Programming Accuracy			
Voltage	0.1%+5mV	0.05%+20mV	0.05%+20mV
Current	0.2%+10mA	0.15%+4mA	0.15%+4mA
Readback Accuracy			
Voltage	0.1%+5mV	0.05%+10mV	0.05%+10mV
Current	0.2%+10mA	0.15%+4mA	0.15%+4mA
Programming Resolution			
Voltage	0.5mV	1mV	1mV
Current	0.5mA	0.1mA	0.1mA
Readback Resolution			
Voltage	0.5mV	1mV	1mV
Current	0.5mA	0.1mA	0.1mA
Meter Resolution			
Voltage	1mV	10mV	10mV
Current	1mA	1mA	1mA
AC Input Ratings	110V/220V AC±10%, 47Hz~63Hz, 350VA MAX		
Operating Temperature	0~55°C, 0~80%RH		
Weight	8.2Kg		
Dimensions	212.6mmW X 132.6mmH X 360mmD (8.4 X 5.2 X 14.2 in)		