

## IT6831 18V / 10A / 180W

Compact, affordable **programmable** Power supply

The IT6800-series of programmable dc power supplies give you the performance of system power supplies without the high price. All models give you clean power, dependable regulation and programmable with GPIB, USB and RS-232 interface. IT6800-series are designed to meet the most demanding applications with high performance and reliability you can count on



### ■ Feature

- Linear Programmable Power supply
- USB/GPIB/RS232 Interface
- Intellective fan cooling
- SCPI Compatible
- VFD Display
- Low noise and ripple output
- CV / CC Mode
- ½2U Standard 19" rack or bench top install
- Convenient numeric keypad
- Over current and temperature protection

### ■ Specifications

Output Ratings	Voltage	0-18V
	Current	0-10A
Load Regulation	Voltage	<0.02%+5mV
	Current	< 0.01%+3mA
Line Regulation	Voltage	<0.01%+3mV
	Current	<0.1%+2mA
Setup Resolution	Voltage	10mV
	Current	10mA
Setup Accuracy	Voltage	≤0.05%+10mV
	Current	≤0.2%+10mA
Readback Resolution	Voltage	10mV(<20V) / 100mV(≥20V)
	Current	10mA
Readback Accuracy	Voltage<20V	≤0.05%+15mV
	Voltage≥20V	≤0.05%+120mV
	Current	<0.1%+15mA
Ripple(20-20MHz)	Voltage	≤0.5mVrms/3mVp-p
	Current	≤5mArms
Temperature	Operating	0 to 40 ≤ 75 R.H.
	Storage	-15 to 70 ≤ 85 R.H.
Dimension	W*H*D(mm)	214.5 * 88.2 * 354.6
Weight	Net	8.5Kg

### ■ Standard Accessories

- AC Line Cord
- USER Manual
- Calibration Report

### ■ Optional Accessories

- IT-E131 RS232 Communication Cable
- IT-E132 USB Communication Cable
- IT-E133 GPIB Communication Cable
- IT-E151 19" Rack Mount Kit