



## IT6502D DC Programmable Power Supply



IT6500 series is a flexible range single output high power supply. With wide power ranges from 800 W to 6 kW, currents from 30 A to 240 A. Standard RS-232, USB, GPIB, RS-485 and LAN interfaces included on the rear panel provide flexibility for remote operation of the power supply. Its compact 1U (1.200W) to 4U (6 kW) size form factor makes it ideal for use in a standard 19-inch rack.

### Specifications

Parameter		IT6502D
Rating value (0 °C - 40 °C)	Voltage	0~80V
	Current	0~60A
	Power	0~800W
Load Regulation ±(% of output+offset)	Voltage	<0.01%+8mV
	Current	≤0.1%+10mA
Line Regulation ±(% of output+offset)	Voltage	<0.02%+2mV
	Current	<0.02%+2mA
Setup Resolution	Voltage	1mV
	Current	1mA
Readback Resolution	Voltage	1mV
	Current	1mA
Setup Accuracy ±(% of output+offset)	Voltage	≤0.02%+30mV
	Current	≤0.1%+0.1%FS
Readback Accuracy ±(% of output+offset)	Voltage	0.02%+30mV
	Current	≤0.1%+0.1%FSS
Ripple	Vpp	≤30mVp-p
	Irms	20mA <sub>rms</sub>

### Feature

- Auto-Range Function
- High Resolution Display (1 mV / 1 mA)
- RS-232/USBTMC/GPIB/RS-485 standard interfaces
- Analog Control Interface
- Adjustable voltage rising/falling speed
- Master/Slave Mode for Series/Parallel connectivity
- Adjustable voltage slope (rise and fall time)
- OVP/OTP/current limit protection
- 1U Rackmount kit

### Standard accessories

- Power cord
- Calibration report
- User's manual

