



Model IT6900A Programmable Power Supply

IT6900A Series DC Programmable Power Supply

IT6900A Series DC Programmable Power Supplies have utilized the latest technology, with multiple functions and high performance, making the operation easier.

The power/ voltage/ current range are 100W-600W、0-60V and 0-25A. The output voltage and current are limited by the power. That's to say, reducing the output current can get a higher output voltage or through minishing output voltage to achieve a higher current. So one unit can meet different demands.

Features:

- VFD display
- High accuracy and high resolution
- Low ripple and noise
- with RS232/GPIB/USB communication interfaces
- controlled by intelligent fans, save energy
- Set voltage and current value with rotary knob
- Set output time (1~99999.9 secs)
- programmable through front pannel



Parameter		IT6922A	IT6932A	IT6942A	IT6952A
Output Ratings (0 ℃~40 ℃)	voltage	0 ~60V	0 ~60V	0~60V	0~60V
	current	0~5A	0~10A	0~15A	0~25A
	power	100W	200W	360W	600W
Load Regulation ±(% of output+offset)	voltage	≤0.01%+3mV	≤0.01%+5mV	≤0.01%+8mV	≤0.01%+15mV
	current	≤0.05%+2mA	≤0.05%+4mA	≤0.05%+6mA	≤0.1%+10mA
Line Regulation ±(% of output+offset)	voltage	≤0.01%+3mV	≤0.01%+5mV	≤0.01%+8mV	≤0.01%+15mV
	current	≤0.05%+2mA	≤0.05%+4mA	≤0.05%+6mA	≤0.1%+10mA
Setup Resolution	voltage	1mV	1mV	1mV	1mV
	current	0.1mA	0.1mA	0.1mA	0.1mA
Readback Resolution	voltage	1mV	1mV	1mV	1mV
	current	0.1mA	0.1mA	0.1mA(< 10A) 1mA(> 10A)	0.1mA (< 10A) 1mA (> 10A)
Setup Accurcy (within 12 months) (25℃±5℃) ±(% of output+offset)	voltage	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV
	current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+15mA	≤0.1%+25mA
Readback Accurcy (within 12 months) (25℃±5℃) ±(% of output+offset)	voltage	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV
	current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+15mA	≤0.1%+25mA
Ripple (20Hz ~20MHz)	voltage	≤5mVp-p	≤8mVp-p	≤15mVp-p	≤20mVp-p
	current	≤5mArms	≤6mArms	≤8mArms	≤15mArms
Sample rate	10HZ/S				10HZ/S
Dimension (mm)	214.5mmW×88.2mmH×354.6mmD				214.5mmW×88.2mmH×445mmD
Weight	7.7Kg				15Kg