

Overview



HT68 series power supply is high performance single-output programmable DC power supply with communication interface, possessing the character of fast rise time speed (The rise speed of HT681 power supply can be less than 10ms and the HT6851 can be less than 20ms). The combination of bench-top and system features in HT68 power supplies provides versatile solutions for your design and test requirements. The HT68 series can not only be programmed through the keyboard on the panel, but also be functioned as voltmeter and milliohm meter, which will bring great convenience to the users. As a regeneration product of ordinary programmable power supplies, HT68 series power supply is more cost-effective.

HT6831 power supply, a new generation of programmable linear power supply, are designed with high-speed dynamic programming output (voltage 0-30V, 1ms rising time), high current accuracy (0.001mA resolution) and low internal resistance, which can satisfy all the test requirements. Meanwhile, the voltage level switch works without relay, which will cause the fast switch between high voltage and low voltage. Moreover, HT6831 power supply provides the best solutions for cellphone research, micro-electronics lab, research institute and special users requiring power supply with low current but high accuracy.

Features

- Low ripple and noise
- High resolution and accuracy (0.1mV/0.01mA, HT6831 reaches up to 0.001mA)
- Built-in a high-accuracy 5 1/2 voltmeter and milliohm meter
- Supporting high-accuracy and dynamic programming output
- High-luminance VFD screen and two lines& four ways display
- Smart fan will be automatically initiated according to the temperature
- Supporting remote voltage compensation and multidata storage
- Supporting external trigger input and output
- Power-on-self-test, software calibration and standard rack mountable
- Supporting RS232/RS485/USB interface

Application

- Laboratory testing
- Power electronics production line testing
- Other automatic testing systems, etc.
- Functioning as voltmeter and milliohm meter

HT68 Series 30W ~600W Power Supply Technical Specification

Model		HT6811	HT6812	HT6813	HT6831
Output Rating	Voltage	0-30V	0-75V	0-150V	0-30V
	Current	0-5A	0-2A	0-1A	0-1A
Load Regulation	Voltage	<0.01%+0.5mV	<0.01%+0.5mV	<0.01%+0.5mV	<0.01%+0.5mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.5mV	1mV	2mV	0.5mV
	Current	0.1mA	0.05mA	0.01mA	0.01mA
Readback Value Resolution	Voltage	0.1mV	0.1mV	1mV	0.1mV
	Current	0.01mA	0.01mA	0.01mA	0.001mA
Setting Value Accuracy	Voltage	0.01%+2mV	0.01%+5mV	0.01%+10mV	0.01%+2mV
	Current	0.05%+1mA	0.05%+0.5mA	0.05%+0.1mA	0.05%+0.1mA
Readback Value Accuracy	Voltage	0.02%+5mV	0.02%+15mV	0.02%+35mV	0.02%+5mV
	Current	0.1%+5mA	0.05%+2mA	0.05%+1mA	0.02%+1mA
Ripple	Voltage	3mvp-p	5mvp-p	10mvp-p	10mvp-p
	Current	2mA rms	1mA rms	0.5mA rms	0.5mA rms
Voltmeter Accuracy	0-12V Accuracy:	0.02%+2mV			
	0-58V Accuracy:	0.02%+5mV			
Milli ohmmeter Accuracy	10W, 0-1000mΩ Accuracy:	0.2%+3mΩ			
	1000-10000mΩ Accuracy:	0.2%+6mΩ			
Working Condition	0-40°C; 0-90%RH				
Power Required	AC 120V/220V±10%; 50/60Hz				
Weight	6.5Kg				
Dimension	214mmW x 101.5mmH x 385mmD				

Model		HT6851	HT6852	HT6853
Output Rating	Voltage	0-6V	0-30V	0-75V
	Current	0-60A	0-20A	0-8A
Load Regulation	Voltage	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.1mV	0.5mV	1mV
	Current	1mA	0.5mA	0.2mA
Readback Value Resolution	Voltage	0.1mV	0.1mV	0.1mV
	Current	0.1mA	0.1mA	0.1mA
Setting Value Accuracy	Voltage	0.01%+1mV	0.01%+5mV	0.01%+10mV
	Current	0.05%+6mA	0.05%+2mA	0.05%+1mA
Readback Value Accuracy	Voltage	0.02%+2mV	0.02%+5mV	0.02%+15mV
	Current	0.05%+45mA	0.05%+20mA	0.05%+8mA
Ripple	Voltage	3mvp-p	5mvp-p	7mvp-p
	Current	15mA rms	7mA rms	4mA rms
Voltmeter Accuracy	0-12V Accuracy:	0.02%+2mV		
	0-58V Accuracy:	0.02%+5mV		
Milliohm meter Accuracy	10W, 0-1000mΩ Accuracy:	0.2%+3mΩ		
	1000-10000 mΩ Accuracy:	0.2%+6mΩ		
Working Condition	0-40°C; 0-90%RH			
Power Required	AC 120V/220V±10%; 50/60Hz			
Weight	28Kg			
Dimension	428mmW*88mmH*453.5mmD			

HT687X series Power Supply Technical Specification

Model		HT6871	HT6872	HT6873	HT6874
Output Rating	Voltage	0-15V	0-30V	0-75V	0-100V
	Current	0-60A	0-35A	0-15A	0-1A
Load Regulation	Voltage	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.1mV	0.1mV	2mV	2mV
	Current	1mA	0.5mA	0.2mA	0.2mA
Readback Value Resolution	Voltage	0.1mV	0.1mV	0.1mV	1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA
Setting Value Accuracy	Voltage	0.01%+1mV	0.01%+5mV	0.01%+10mV	0.01%+15mV
	Current	0.05%+6mA	0.05%+2mA	0.05%+1mA	0.05%+1mA
Readback Value Accuracy	Voltage	0.03%+3mV	0.03%+5mV	0.03%+15mV	0.03%+25mV
	Current	0.05%+45mA	0.05%+25mA	0.05%+12mA	0.05%+10mA
Ripple	Voltage	4mvp-p	5mvp-p	6mvp-p	8mvp-p
	Current	15mA rms	8mA rms	3mA rms	2.5mA rms
Voltmeter Accuracy	0-12V Accuracy:	0.02%+2mV			
	0-58V Accuracy:	0.02%+5mV			
Milliohm meter Accuracy	10W, 0-1000mΩ Accuracy:	0.2%+3mΩ			
	1000-10000mΩ Accuracy:	0.2%+6mΩ			
Working Condition	0-40°C; 0-90%RH				
Power Required	AC 120V/220V±10%; 50/60Hz				
Weight	45Kg				
Dimension	482mmW*184.5mmH*531mmD				

Options & Accessories

Optional Communication Cable- HT6831 RS232 interface