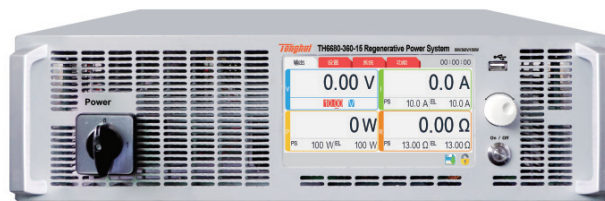


Power Electric Tester

C. TH6600 Series Programmable Bidirectional Feedback High-Power DC Power Supply

Features

- Power supply: 342VAC-528VAC, 44-66Hz
- Two-way power supply and regenerable load are integrated
- Up to 92.5% energy feedback efficiency
- Output voltage 0-80VDC
- Current output: 120A, 240A, 360A
- Power output: 5KW, 10Kw, 15KW
- Wide range of constant power output, which can be expanded up to 480kW
- With CV, CC, CR, CP in power mode and CV, CC, CR, CP in load mode
- Built-in various function generators
- 7-inch 24-bit colour TFT LCD capacitive touch screen
- High power density: 3U high, 19-inch chassis, the maximum power of a single machine is 15kW
- Power factor up to 0.99
- The knob can be used for coarse and fine adjustment of the voltage and current values
- Timing output time can be set (0.01-9999.99S)
- Screen information is stored in U disk
- Operable interface in Chinese and English
- Flexible and convenient file operating system
- The instrument operating software can be automatically upgraded via USB HOST
- Analog interface is used to realize external analogue control
- RS232, USB HOST, USB Device, LAN, GPIB can facilitate data communication with PC and remote control of the instrument
- Built-in hardware OVP, OCP, OPP, OTP protection
- Support SCPI and MODBUS protocol



TH6600

Rack mount (mm): 430(W) x 133(H) x 703.5(D)

Dimension (mm): 483(W) x 133(H) x 793.5(D)

Net weight: 18.5kg (TH6680-120-05) / 25.5kg (TH6680-240-10) / 32.5kg (TH6680-360-15)

Standard RS232 USB HOST USB DEVICE GPIB LAN

Application

- R & D and design verification common test
- Production line table routine testing and maintenance
- Automated device integration testing
- Solar photovoltaic simulation test
- New power car simulation test
- Teaching laboratory

Specifications

Model		TH6680-120-05	TH6680-240-10	TH6680-360-15
Rated Output (Power Mode)	Power	0-5kW	0-10kW	0-15kW
	Voltage	0-80V	0-80V	0-80V
	Current	0-120A	0-240A	0-360A
	Internal Resistance	0.02-25 Ω	0.01-13 Ω	0.006-10 Ω
Rated Output (Load Mode)	Power	0-5kW	0-10kW	0-15kW
	Voltage	0-80V	0-80V	0-80V
	Current	0-120A	0-240A	0-360A
	Internal Resistance	0.02-25 Ω	0.01-13 Ω	0.006-10 Ω
Load Regulation Rate*1	Voltage	≤0.05%FS	≤0.05%FS	≤0.05%FS
	Current	≤0.15%FS	≤0.15%FS	≤0.15%FS
	Power	≤0.75%FS	≤0.75%FS	≤0.75%FS
Power Regulation Rate*2	Voltage	≤0.02%FS	≤0.02%FS	≤0.02%FS
	Current	≤0.05%FS	≤0.05%FS	≤0.05%FS
	Power	≤0.05%FS	≤0.05%FS	≤0.05%FS
Resolution of Set Value	Voltage	10mV	10mV	10mV
	Current	0.1A	0.1A	0.1A
	Power	1W	1W	1W
	Internal Resistance	0.001 Ω	0.001 Ω	0.001 Ω
Resolution of Readback Value	Voltage	10mV	10mV	10mV
	Current	0.1A	0.1A	0.1A
	Power	1W	1W	1W
	Internal Resistance	0.001 Ω	0.001 Ω	0.001 Ω
Accuracy of Set value 12 Month (25°C ± 5°C)	Voltage	≤0.1%FS	≤0.1%FS	≤0.1%FS
	Current	≤0.2%FS	≤0.2%FS	≤0.2%FS
	Power	≤1%FS	≤1%FS	≤1%FS
	Internal Resistance	≤ 1% of Maximum Resistance Value+ 1% of Maximum Current Value		
Accuracy of Readback value 12 Month (25°C ± 5°C)	Voltage	≤0.2%FS	≤0.2%FS	≤0.2%FS
	Current	≤0.2%FS	≤0.2%FS	≤0.2%FS
	Power	≤1%FS	≤1%FS	≤1%FS
	Internal Resistance	≤ 1% of Maximum Resistance Value+ 1% of Maximum Current Value		
Ripple and Noise (20Hz-2MHz)	Differential Mode Voltage	≤200mVp-p and 16mVrms	≤320mVp-p and 25mVrms	≤320mVp-p and 25mVrms
	Differential mode current	≤80mArms	≤160mArms	≤240mArms
Dynamic Recovery Time (50%-100% Load)		≤1.5ms (Restored to within 100mv)		
Remote Sensing Compensation		≤0.5%FS		
Power Replacement Efficiency		≤93%		
Measurement	Oversize (WxHxD)mm	483×133×793.5		
	Net Weight	18.5kg	25.5kg	32.5kg
Power Supply		342VAC-528VAC, 44-66Hz		