

GF303B

Portable Power Source

It is suitable for all the power supply company, electric power company distribution network automation departments, is also suitable for petrochemical, coal mine, railway and steel industry etc, to power automation departments use.



Features

1. Lightweight portable: the integrated module, weighing 6.8 kg
2. The fastest output (10 ms): by high performance 32 bit CPU, the frequency of 1.2 G
3. Stable fastest (1s): hardware PID, the output of the standard resource without delay, fast response
4. With the strongest load, load regulation rate fast, single phase with resistance sex load 15 VA; with pure capacitive load (0.33 uf)
5. Harmonic supreme: standard device can output 2-63 times higher harmonic
6. Stability, and the best, stability for 0.01% / min; English or Chinese display
7. Two kinds of frequency output: but at the same time points in different frequency voltage output; And amplitude can adjust arbitrarily output
8. Powerful Software, the operation is simple, convenient, three steps can complete verification
9. Debugging far move communication protocols, as many as 20 types, covering domestic all factories statute
10. The fastest verification

Parameters

Electrical parameters

Accuracy class	0.05%, 0.1%
Power supply	Single phase AC 85V-265V, 50/60 Hz
Communication port	RS232, USB
AC Voltage output	
Range (U1, U2, U3 phase)	0-140V; (0-264V option)
Adjustment resolution	0.01%, 0.1%, 1%, 10%,
Accuracy	0.05% RG
Stability	0.01% RG/1 min
Distortion degree	Better than 0.1% (not capacitive load)
Load capacity	15VA
Full load regulation rate	0.02% RG

Electrical parameters - continued
AC Voltage output - continued

Full load regulation time	Less than 1mS
Temperature drift	16 PPM/°C
Long-term stability	60 PPM/year

AC Current output

Range (I1, I2, I3 phase)	0-6A
Adjustment resolution	0.01%, 0.1%, 1%, 10%,
Accuracy	0.05% RG
Stability	0.01% RG/1min
Distortion degree	Better than 0.1% (not capacitive load)
Load capacity	15VA
Full load regulation rate	0.02% RG
Full load regulation time	Less than 1mS
Temperature drift	16 PPM/°C
Long-term stability	60 PPM/year

Power output

Active power accuracy	0.05%
Reactive power accuracy	0.1%
Stability	0.01% RG/1min

Phase

Range	0°-359.99°
Adjustment resolution	0.01°, 0.1°, 1°, 10°
Accuracy	0.05°

Power factor

Adjusting range	-1 ~ 0 ~ +1
Resolution	0.0001
Accuracy	0.0005

Frequency

Range	40-65 Hz
Adjustment resolution	0.001 Hz, 0.01 Hz, 0.1 Hz, 1Hz
Accuracy	0.002 Hz
Temperature drift	0.5 PPM/°C
Long-term stability	4 PPM/year

Harmonic content (compared with fundamental wave)

Voltage	≤40%
Current	≤40%
Phase	0°-360°

Electrical parameters - continued**Harmonic**

Harmonic times	2-63
Adjustment resolution	0.1% (compared with fundamental wave)

Mechanical parameters

Dimensions (WxDxH) (mm)	300x400x120
Weight (kg)	6.8

Environmental conditions

Working temperature	0°C to 40°C
Storage conditions	-30°C to 60°C
Relative humidity	≤85%