YAXUZG

GGJ

低压无功智能补偿装置

GGJ Low Voltage Reactive Intelligent Compensation Device

YAXUZG

GGJ

低压无功智能补偿装置

GGJ Low Voltage Reactive Intelligent Compensation Device

概述 General

GGJ 低压无功智能补偿装置采用计算机辅助设计 (CAD), 引入微电脑控制 , 对无功量实行智能化跟踪补偿 , 其结构合理，技术先进 , 广泛应用低压电网 , 提高功率因数，减少无功损耗，改善供电质量 , 是新的节电产品。专用于容量 130-630kVA 三相变压器的无功功率补偿。

GGJ low voltage reactive intelligent compensation device uses computer aided design (CAD) and introduces the microcomputer control for intelligent tracking on reactive power compensation. It has reasonable structure, advanced technology and is widely used among low voltage power grid to improve power factor, reduce reactive loss and improve the quality of power supply. It is a new energy-saving product which is exclusively used to reactive power compensation for 130-600 kVA three-phase transformers.

结构特点 Structure Features

◆采用智能控制器控制，功能齐全，性能可靠，补偿方式自动；可将功率因数提高致 0.9 以上。
The device is controlled by intelligent controller with complete functions, reliable performance, and automatic compensation ways. The power factor can be up to above 0.9.

◆实时显示电网功率因数，显示范围 : 滞后 (0.00-0.99), 超前 (0.00-0.99)。
The device can real-time display power factor of the network. Its display range: (0.00-0.99) lag, (0.00-0.99) in advance.

◆具有过电压、过谐波、过补偿、系统故障、缺相、过载等多种综合保护功能。
The device has over voltage, over harmonic, over compensation, system failure, and lack of phase, overload, and so forth comprehensive protection functions.

◆记忆已设定的参数，系统停电后不会丢失参数，电网恢复正常后，自动进入运行状态，无须人员值守。
Memories of the device have set parameters. When the system is out of power, the parameters will not be lost. And when the grid comes back to normal, it will enter the running state automatically, so there is no need to watch out.

◆可根据电网负荷平衡状况，采取分相补偿或混合补偿。
The device can adopt the split-phase compensation or mixture compensation according to the load balance of power grid.

◆抗干扰能力强，能抵御从电网直接输入的幅值 2000V 干扰脉冲，高于国家专业标准。
The device has strong anti-interference ability to resist 2000V interference pulse directly inputted from the power grid. The standard is above the national ones.

正常使用条件 Working Conditions

◆海拔高度 : ≤ 2000m。
Altitude: ≤ 2000m

◆环境温度 :-20℃ ~+45℃。
Ambient temperature: -20~+45℃

◆相对湿度 :20℃时≤ 90%。
Humidity: ≤ 90% at 20℃

◆安装环境 : 无有害气体和蒸汽 , 无导电性或爆炸性尘粒及严重霉菌。
Installation Environment: It is applicable in the place without polluted gas and vopor, non-conductive and flammable dust and serious mold.

主要技术参数 Specifications

◆额定电压 :0.38~0.66kV。
Rated Voltage:0.38~0.66kV.

◆额定频率 :50Hz。
Rated Frequency:50Hz.

◆额定容量 :1~600kvar。
Rated Capacity:1~600kvar.

◆适用电压范围 :(0.85~1.1) 倍额定电压。
Voltage Range: (0.85~1.1) X rated voltage.

◆最大允许电流 :1.3 倍额定电流。
Maximum Permissable Current:1.3 X rated current.

◆控制回路 :1~16 回路。
Control Loop:1~16 loops.

◆投切时间 :1~150s/ 次 , 可调。
Switching Time:1~150s/times, adjustable.

◆工作方式 : 自动，连续运行。
Manner of Working: automatic and continuous

可配电网监测功能 Configurable Monitor Function

◆实时测量和整点纪录变压器低压侧的三相电压、电流、频率、有功功率、无功功率、功率因数、有功电度、无功电度;电压电流总畸变率和 2-25 次谐波含量。
Real time measures and integral points record the voltage of three phases, current, frequency, reactive power, power factor, active electricity, reactive electricity, voltage and current distortion rate and the 2-25 times harmonic content of the low voltage side of the transformer.

◆具有 RS-232 和 RS-485 接口，可进行掌上电脑数据抄录，也可通过远程通讯功能实现无线抄表，装置测试，参数设置和时实测量数据及纪录数据的读取。
With RS-232 and RS-485 interface, the datas can be displayed in the palmtop, and the meter datas reading, devices testing, parameter setting and real-time measuring and recording also can be achieved through remote communication function without wires.

◆数据分析功能：可对运行负荷数据进行分析处理、统计查询；综合分析供电质量，计算电压合格率，供电负荷率，可靠率及最大负荷率；分时段查询功率因数、有功功率和无功功率；绘制各相电压、电流、功率因数等曲线图;打印综合分析及统计报表。
The device is equipped the function of data analysis: analysis, process, count and inquire the operating load datas; analysis qualified rate of voltage, the quality, load rate, reliable rate and maximum load rate of power supply comprehensively; inquire power factor, active power and reactive power in each time period; draw the curve charts of each phase, current, power factor etc.; and print the analysis and statistic report forms.

订货须知 Ordering Information

◆确定变压器额定容量，二次侧额定电压，二次侧电流互感器变比。
Rated capacity of the transformer, rated voltage and current transformer ratio of the secondary side;

◆确定无功负荷状况和受电自然功率因素，被补偿系统和设备的工作总电流及波动范围；负荷特性为冲击性负荷、波动负荷还是常规稳态负荷。
The power factor in reactive loading and power receiving, the working current and the working current range of the system and devices which are compensated; the type of load features: impact load, fluctuate load or routine steady load;

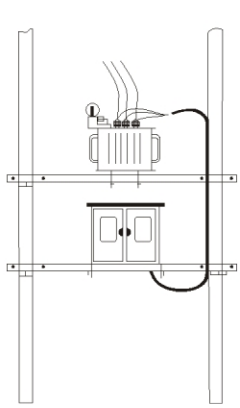
◆装置型号、类型、总容量。
Model, type, and gross capacity of the device;

◆装置为户外箱式，所用材料：普钢 / 不锈钢以及箱体的颜色。
For outdoor type cabinet: the material (common steel/stainless steel) and the color;

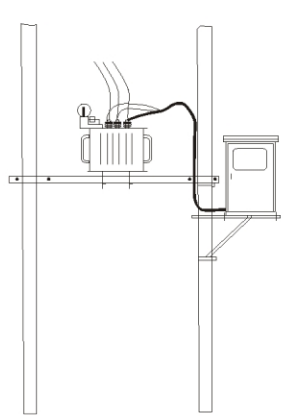
◆装置为户内柜式，装置的颜色；若需与其他配电柜并柜，需说明其他配电柜的型号、拼柜方式。
For indoor type cabinet: the color; model, cabinet connection type needed when it combines with other cabinets;

◆户外柱上安装，可单杆安装或双杆安装。
The outdoor pillar installation types: single rod installation or double rods installation.

户外柱上安装方式(下图) Outdoor pillar installation types(See picture below)



双柱式安装
Single rod installation



单柱式安装
Double rods installation