

DJGZ23 Data Concentrator Unit



DJGZ23 Data Concentrator Unit (DCU) is one of the key device of AMI system. It adopts modern digital communication technology, embedded technology, computer software and hardware technology to conduct the electricity information collecting, analyzing and processing.

DJGZ23 has excellent electromagnetic compatibility, could withstand high voltage peak impulse, strong magnetic field, strong static electricity, lightning surge interference, and has strong temperature adaptability range. Wide voltage range design leads to higher reliability. It supports local/remote modification of the device parameters conveniently, and local/remote software upgrading. Large capacity FLASH memory chip ensures the convenient store of varieties of data.

◆ MAIN FEATURES

- Data acquisition, energy measurement
- Statistical analysis of each harmonic ratio and total harmonic distortion factor
- Events detection, recording and reporting
- Real time data and historical data storage
- Communication
 - Uplink: GPRS/3G/4G/CDMA, Ethernet, middle voltage PLC, etc.
 - Downlink: PLC, RF and RS485
- High communication reliability: adopts working frequency synchronization communication technology, no need repeater devices
- Self-adaption communication rate as per the communication environment, also to improve the efficiency while ensuring the success communication rate
- With transformer and phases identification function, to realize the power loss statistics of phases in AMR/AMI smart metering system

◆ **SPECIFICATIONS**

DJGZ23 Data Concentrator Unit is equipped with various communication method, it is capable to contact the utility master station through 3G/4G/GPRS/CDMA, or Ethernet, acting a critical role in the AMR/AMI smart metering system. The data concentrator also features transformer monitoring, data statistics, phase statistics functions, greatly benefits the utilities in improving meter reading efficiency and power loss management applications.

Power supply	3*230/400V; 3*57.7/100V
	1.5 (6)A
Accuracy	Active: 0.5 ; Reactive 1.0
Power consumption	≤10W, 15VA
Communication	3G/4G/GPRS/CDMA, PLC, pluggable communication modules; Ethernet, RS232/RS 485, Infrared communication port.
Communication protocol	DLT/645, OOP
Starting time	<5s
Service life	>10 years
Operating temperature	-40°C ~ +85°C
Humidity	≤100%
Dimension	290mm*180mm*95mm

◆ **DIMENSIONS**

