

PCCG330

Low Voltage Concentrator



Technical Specification

- » Reference voltage $V_{in}=3*230/400VAC$
- » Variation range $\pm 30\%V_{in}$
- » Reference frequency 50/60Hz +/-5%
- » Output voltage 12V/24V option, 12W
- » PLC baud rate 600bps
- » Power consumption $\leq 8VA/phase, \leq 5W/phase$
- » Life time >10 years
- » Failure ratio <0.3%
- » Operation temp $-25^{\circ}C \sim +60^{\circ}C$
- » Storage temp $-40^{\circ}C \sim +85^{\circ}C$

General

PCCG330 (Data Collector Unit) acts as a PLC/GPRS Gateway. It corresponds with the meters via PLC (Powerline communication) and transmits them to the main station (via GPRS/PSTN/RS485). Each Concentrator communicate with up to 1024 Meters

Functions

The Concentrator works on 3p4w. In case of phase loss, it still functions only on a single phase.

In case of power failure, it stores the data in the non-volatile memory.

- The following communication interfaces are supported:
 - ❖ Upload: GPRS: max 85.6kbps,
 - ❖ Support Quad Band GSM.
 - ❖ PSTN: 9600bps
 - ❖ RS485: 9600bps
 - ❖ RS232: 9600bps
 - ❖ IR: 1200bps
 - ❖ Download: PLC: 600bps
 - ❖ RS485: 1200bps
- Supports 645 communication protocols.
- Collects max 1024, and stores daily and monthly data
- The GPRS communication supports two kinds of on-line modes:
 - Always on-line:** When power is on; the Concentrator connects to the main station automatically. If the connection is lost, the Concentrator will reestablish the connection. To maintain connection, the Concentrator transmits heart packages.
 - Wake up on-line:** the Concentrator connects to the main station only when the user calls it or sends it a short message. The user can set the GPRS parameters through the short message (SMS).

