

CHNT

Empower the World



CHG540 Data Concentrator

- ▶ Multi-communication
- ▶ Remote Firmware Upgrade
- ▶ Multiple Data Encryption



CHINT GLOBAL PTE. LTD.

Building A3, 3655 SiXian Road,
Songjiang District, Shanghai, China

Tel: +86-21-5677 7777

Web: www.chintglobal.com

E-mail: global-sales@chintglobal.com

A CHNT COMPANY

CHG540 Data Concentrator

SPECIFICATIONS

Communication Protocol

- Upstream protocol: DLMS/COSEM
- Downstream protocol: IEC62056-21/DLMS/COSEM

Communications

- Uplink: GPRS/3G/4G/Ethernet (optional)
- Downlink: G3-PLC/Wi-SUN/RS485 (optional)
- Maintenance: RS485/Optical/USB

Data collecting

- Real time collection
- Regular collection
- Retrieval collection

Data management

- Store daily freezing data, monthly freezing data
- Store load profile data
- Store capacity: 128M bytes

Parameter setting

- Local and remote setting
- Communication parameter
- Meter files and read parameter

Maintenance

- Self-diagnosis
- Firmware upgrade(Local or remote)

Voltage

- Nominal voltage (U_n): $3 \times 220/380V \sim 3 \times 240/415V$
- Operating range: $0.5U_n \sim 1.2U_n$

Frequency

- 50Hz or 60Hz

Real-time Clock

- Accuracy within 0.5 seconds per day at 23° C

Battery

- Battery easy replaced
- Capacity: $\geq 1.2Ah$
- Backup time: ≥ 10 years

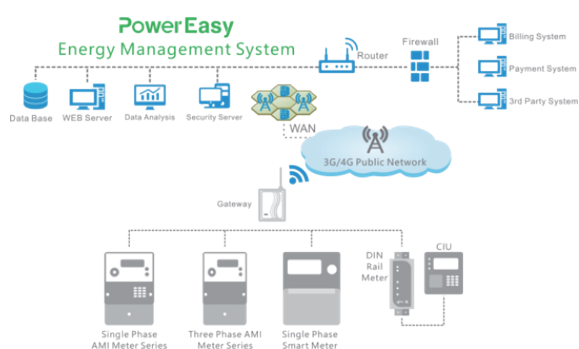
Environmental

- Operating range limit: $-40^{\circ}C$ to $+75^{\circ}C$
- Storage range limit: $-40^{\circ}C$ to $+85^{\circ}C$
- Relative humidity: $\leq 95\%RH$
- Ingress protection: IP54

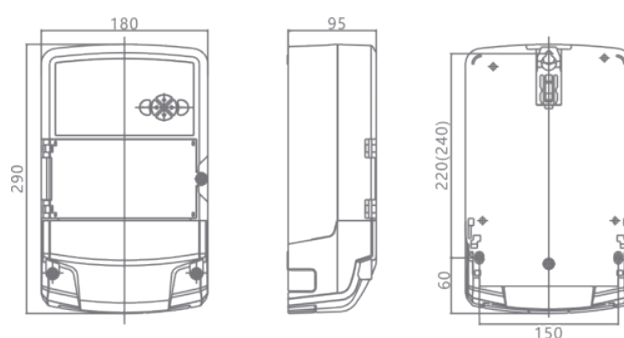
Dimensions and weight

- Dimensions: 290mm $\times$ 180mm $\times$ 95mm
- Weight: 2.3 kg (Approx.)

ARCHITECTURE OF AMI



METER DIMENSIONS



- Units: mm



Zhejiang CHINT Instrument & Meter Co., Ltd

Add: No.560, Yueming Road, Binjiang District, Hangzhou, Zhejiang, China P.C: 310052 Tel: +86-571-56977777

Fax: +86-577-62919588 E-mail: chintmeter@chint.com

Website: <http://en.chintim.com/>