



## Billion SG3010-iCB

### ZigBee Intelligent Current Control Box

The Billion SG3010-iCB can be able to collect the electricity data of total power, voltage, current, and usage time when the electricity flows through this current control box. The data transmission component of the Billion SG3010-iCB will transmit the real-time data to the server via ZigBee.

Meanwhile, the bi-directional capability of the data transmission also allows a user remotely control the breaker of multiple Billion SG3010-iCBs instantly without any interference since each Billion SG3010-iCB owns a unique address. The Billion SG3010-iCB also provides an electricity safety assurance function for facility managers by controlling the value of electricity current, the value of electricity load, and the time of deactivating the current control function.

This ZigBee current control box is with 60A metering function, supporting micro load measurement with high accuracy. In addition, it can be used as a sub-circuit breaker and specially designed for power protection. It is ideal for using in high-current and heavy-duty electrical appliances such as heater, dryer, and Electric Vehicle.

#### Micro Load Measurement

- Fine detection of electricity power at 1.00W
- Fine detection of electricity at 0.001 kWh

#### High Accuracy

- Active Energy (Wh): ANSI Class 0.5
- Reactive Energy (varh): ANSI Class 0.5:

#### Power Protection

- 60A current control
- Preset for current
- Preset for load
- Preset for time

Ideal for  
Residential & SOHO  
I&C Users  
Utility Companies

- Fully compliant with IEEE 802.15.4 and ZigBee PRO standards
- Electricity usage data and other indicator information collection
- < 0.5% Wh accuracy
- Consumption cost calculation
- Remote on/off control
- Programmable setting of trip current and time to protect relays
- Ideal for:
  - Residential and office users
  - Industrial and commercial users
  - Utilities companies
- Works as part of ZigBee-based energy management solution for business partners:
  - Power Utilities: solar power, wind power, etc.
  - ZigBee network system integrator and planners
  - House builders
  - Suppliers of Smart Energy devices in IHD, Load Control, and PCT

## Application Diagram



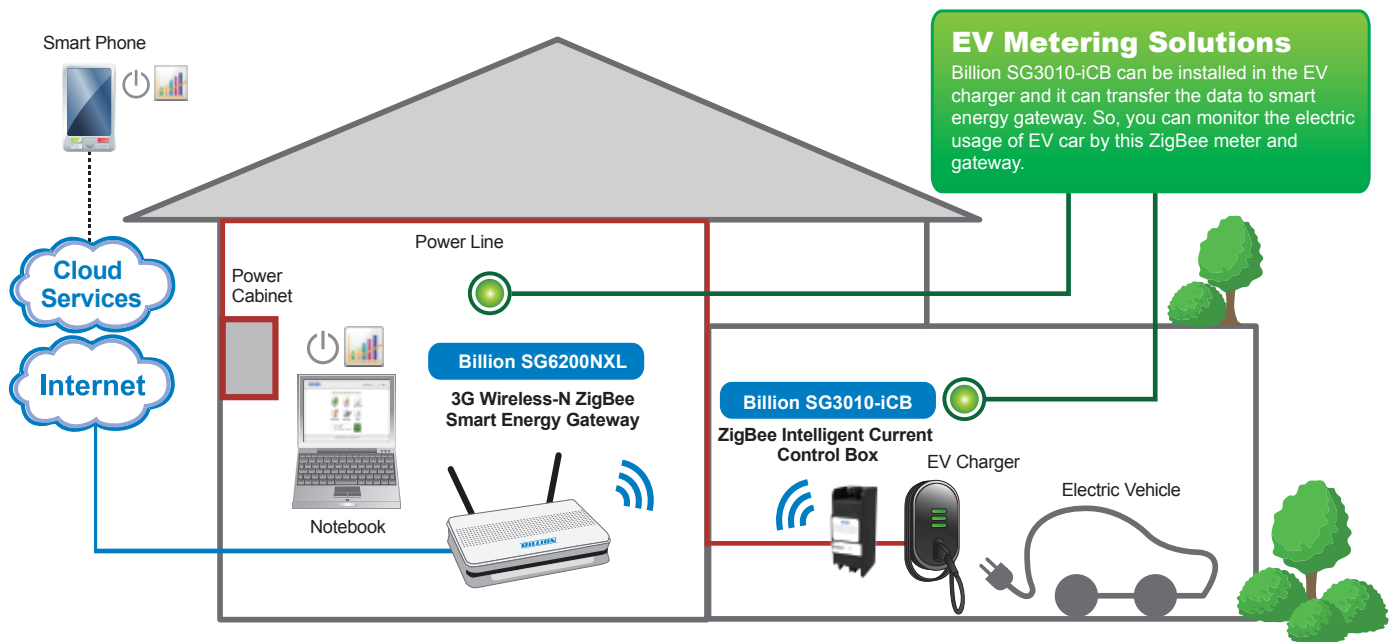
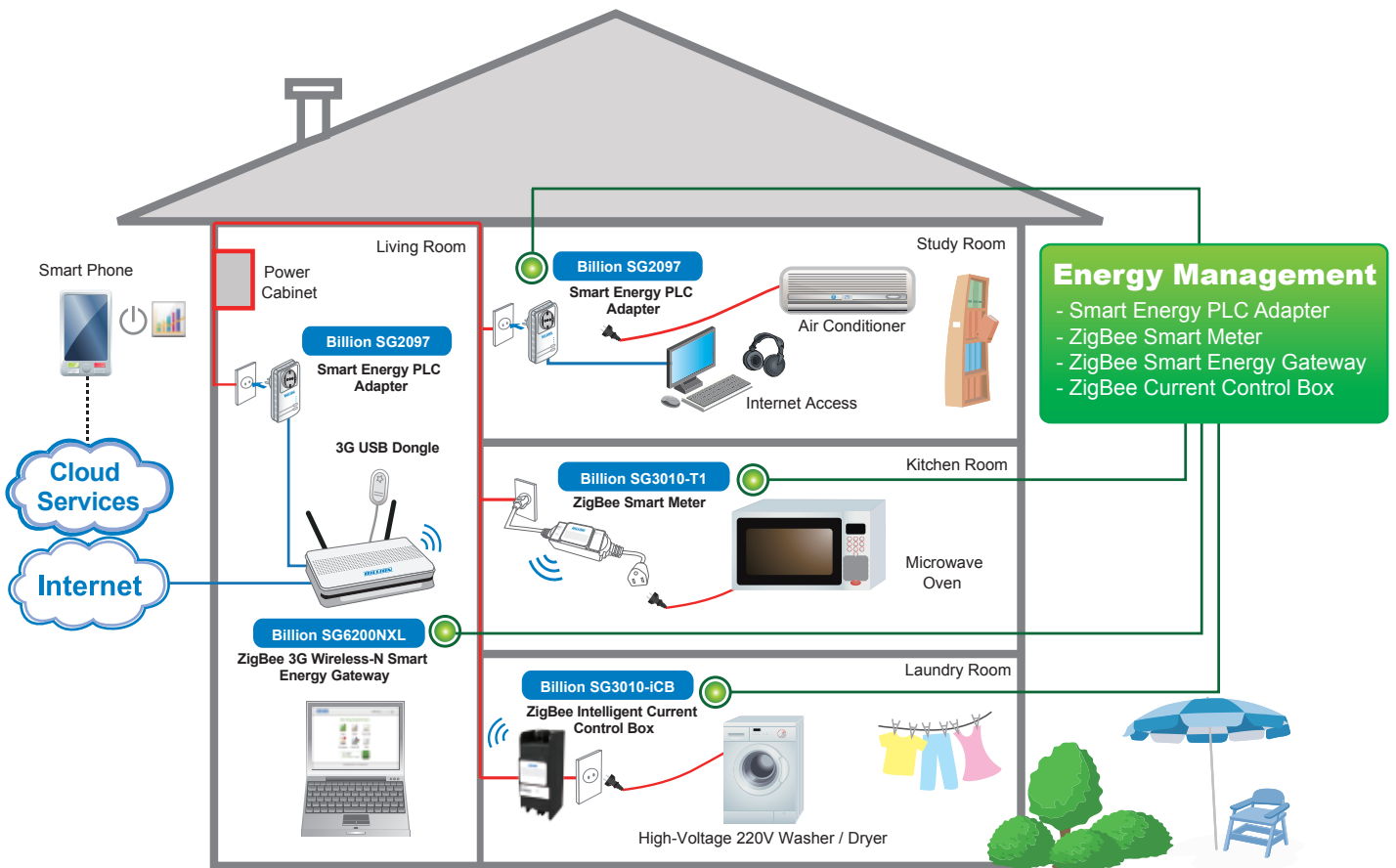
## Technical Specifications

Number of Pole (P)		2P
Communication Interface		ZigBee
Phase & Wire		1ø2W
Measure	Wh Measurement	kh 2.0 / Two Way
	Measuring	W.V.A.VA.PF
	Rated Voltage	90 - 260V
	Rated Current	15 (60) A
	Precision	0.5%
Off Relays		60A x 1
Relay Control		0.1 ~ 60A Programmable Tripping Current & Time-protection and Off Relays.
Power Consumption		Around 0.7W
Operation Environment		0°C ~ 60°C
Dimensions(cm)		5(W) x 13(H) x 7.2(D)

\* **Notes:** All the specifications are subject to change without prior notice.

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## Application Scenarios



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