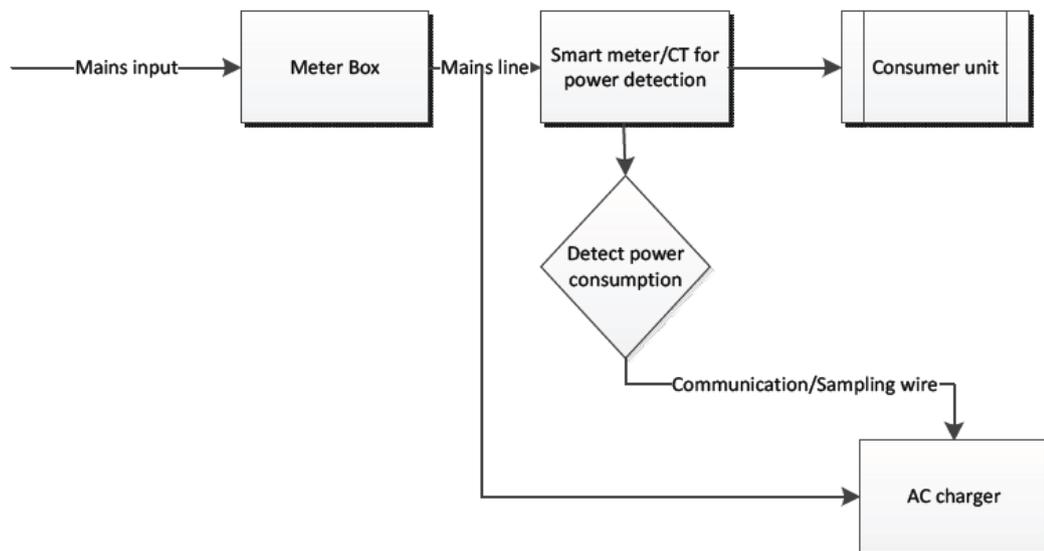


# Intelligent power adjustment

## How does intelligent power adjustment work?

Intelligent power adjustment needs a power-sampling device on the incoming mains supply cables, which could be a power meter or a current transducer and normally located in the meter box.

Charger will adjust the charging power according to the pre-set power limit and the real-time power consumption to ensure the total power import not exceed the supplying capacity and not trip the main breaker.



Block diagram of power adjustment

## Intelligent power adjustment setting:

1. Connect the charger to a computer with IP address set within the 192.168.1.x segment (x can be any value between 1 and 255 except 5) , Enter the charger's IP address of "http://192.168.1.5:8080" in the web browser and click "Enter" to get into the parameter setting page of the charger.

2. Scroll down to the below options,

3. Select the power-sampling device to be used, which could be CT or Meter, while 1 is for CT, 2 is for meter.

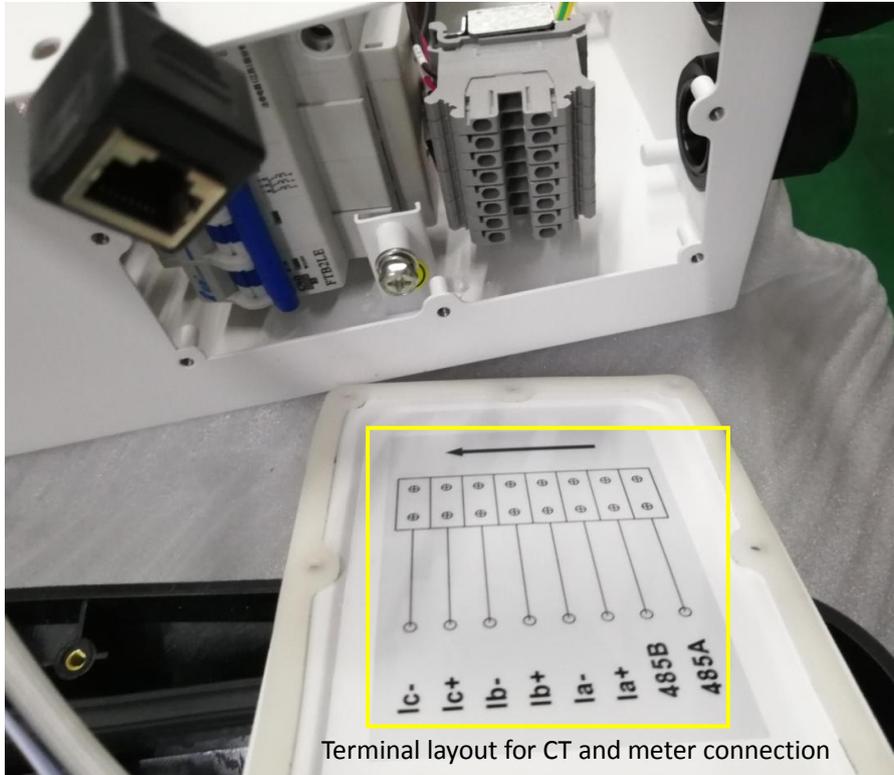
4. Set the max power limit and power-sampling interval(interval only needs setting when meter is used).

Set the power limit value according to the supply capacity contracted with you energy supplier.

When power meter is used for power sampling, power-sampling interval also needs to be set.

## Wire connection

- a. If power meter is used, a wire suitable for RS485 communication shall be used to connect the meter to the RS485 port of the charger;
- b. If CT is used, a shielded twisted cable can be used to connect the CT to the CT port of the charger(1x CT for single phase charger and 3x CTs for 3 phase charger).



Terminal layout for CT and meter connection

Terminal definition of the terminal block(for power adjustment function)

In most occasions the CTs' wires or Meter's wires need extending. A quick cable connector(for 3 phase charger it will be 3 connectors) is supplied with the charger for you to easily extend the length of the wires.





Quick cable connector for extending CT wires for power modulation function