



**Safety Manual**

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# 1 Production Overview

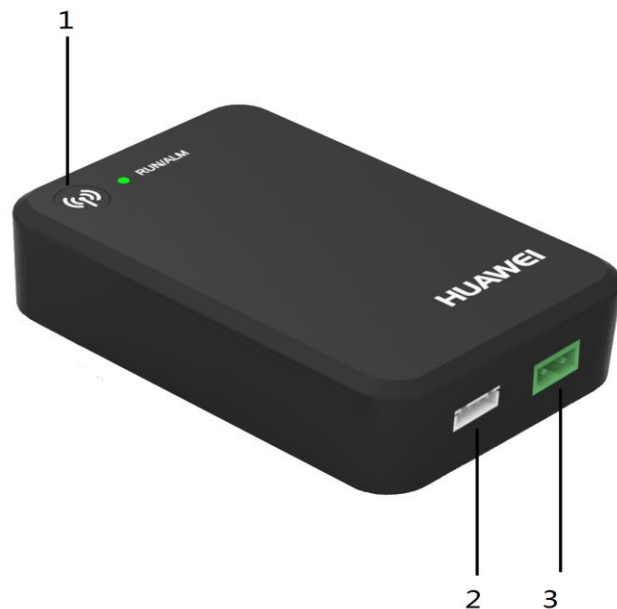
## 1、eMeter

The eMeter is a battery string voltage and current detection module and communicates with the eBox using wireless connection. The eMeter has the following functions:

- Detects the battery string voltage(Currently only 48V battery string is supported).
- Detects the battery string current.
- Transmits detected battery information to the eBox.

The eMeter is connected to the positive and negative ends of a battery string using cables and connect with a current transducer. [Figure 1-1](#) shows the eMeter appearance.

**Figure 1-1** eMeter appearance



[Table 1-1](#) lists relevant parameters of the eMeter.

**Table 1-1** Technical specifications of the eMeter

No.	Item	Parameter	Remarks
---	Dimensions	95 mm (L) x 65 mm (W) x 33 mm (H)	---
1	Radio frequency (RF) 2.4 GHz ISM Band	IEEE 802.15.4	The eBat communicates wirelessly with the eBox using RF 2.4 GHz.
2	Current transducer connection port	One	This port was used to connect the current transducer for the detection for battery string charging and discharging current.
3	Power supply and battery string voltage detection port	One	This port was used to provide power to eMeter, and detect the battery string voltage.(Currently only 48V battery string is supported)

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# 2 Safety Precautions

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## 1、 U.S.A Regulatory Compliance

### 1.1 FCC Part 15

Product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1 This device does not cause harmful interference.

1 This device must accept any interference received, including interference that may cause undesired operation.

If this device is modified without authorization from Huawei, the device may no longer comply with FCC requirements for Class B digital devices. In that a case, your right to use the device may be limited by FCC regulations. Moreover, you may be required to correct any interference to radio or television communications at your own expense.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This device generates uses and radiates radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user may take one or more of the following measures:

1 Reorient or relocate the receiving antenna.

1 Reinforce the separation between the device and receiver.

1 Connect the device into an outlet on a circuit different from that to which the receiver is connected.

1 Consult the dealer or an experienced radio or TV technician for assistance.

#### **FCC Radiation Exposure Statement:**

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

**Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 1.2 Canada Regulatory Compliance

### 1.2.1 RSS-Gen statement

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-3 (B)/NMB-3(B)

### 1.2.2 RSS-102 statement

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Cet appareil doit être installé et utilisé en respectant une distance minimum de 20 centimètres entre l'élément rayonnant et votre corps.