

1. Overview

The MEH-B is a device which allows user to remotely monitor and control TBB's Battery. The user can learn below information from MEH-B's display: Battery voltage, current and SOC

2. Installation and connection

2.1 Installation

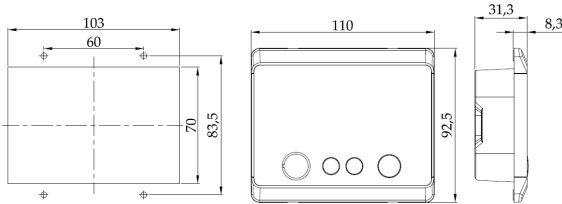


Fig.1 Installation dimension of MEH-B (Unit:mm)

Installation step:

- 1) Cut holes on mounting surface following the cut-out dimension of solid line area in Fig.1
- 2) Place the MEH-B in position properly and fix the MEH-B by 4pcs M3*12 screws.

2.2 Connection

Use the cable provided by TBB Power to connect MEH-B with M series battery, the connector is RJ45. The cable is available in 5, 10, 15, 20, 25 or 30 meters.

3. Display information

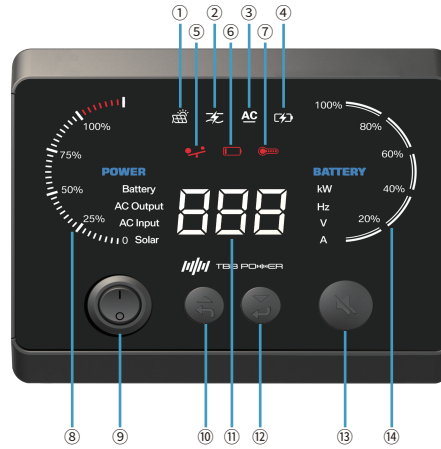


Fig.2 Display and buttons of MEH-B

Table 1 Display and buttons of MEH-B

①	Solar	unused
②	Invert	unused
③	Bypass	unused
④	Charge	To indicate M series battery is charging
⑤	Overload alarm	To indicate when battery is overloaded
⑥	Battery low voltage alarm	To indicate when the internal battery reach under-voltage
⑦	temperature alarm	To indicate when the system is over-temperature or low temperature
⑧	Power percentage	To indicate the percentage of actual power against rated power of battery installed
⑨	ON/OFF switch	To turn battery ON or OFF
⑩	Scroll up button	To scroll up to last item.
⑪	Value information area	LCD displaying value
⑫	Scroll down button	To scroll down to next item.
⑬	Mute button	To mute or unmute the alarm
⑭	Battery SOC	To indicate battery state of charge

Use the scroll up or scroll down button to switch display information among Battery

Table 2 Display information in value area

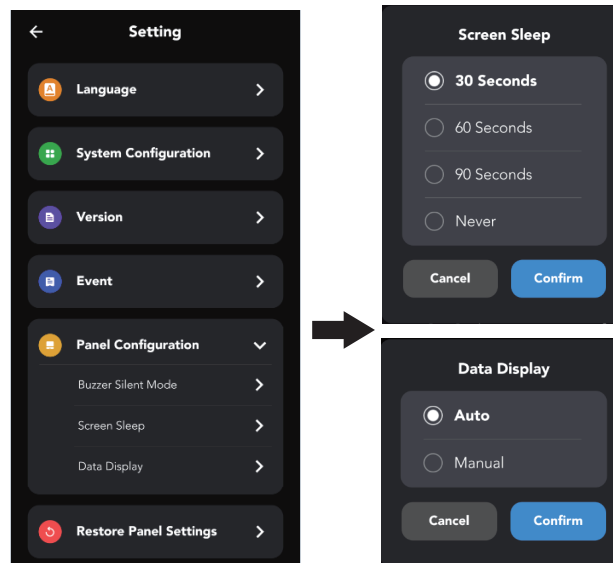
Display information		Item
Battery	V	Battery voltage
	A	Battery current
	/	Battery SOC

4. Error and Warning

Error code		
BMS Error	ERR400	Cell or module over voltage
	ERR401	Cell or module under voltage
	ERR402	Cell over temperature
	ERR403	Cell under temperature
	ERR404	Discharge over current
	ERR405	Charge over current
	ERR406	System error
	ERR407	Outside over voltage
	ERR408	BMS over temperature
ERR420	Load pre-charge time out	
Alarm code		
BMS Alarm	ALM409	Cell or module high voltage
	ALM410	Cell or module low voltage
	ALM411	Cell high temperature
	ALM412	Cell low temperature
	ALM413	Discharge high current
	ALM414	Charge high current
	ALM415	Slave pack communication off-line
	ALM416	BMS high temperature
	ALM417	Bat low voltage wait charge
	ALM418	Cell temperature is too high to charge
	ALM419	Cell temperature is too low to charge
	ALM421	Heater error

5. APP

1) The backlit of MEH will be turned OFF automatically without operation on MEH. The time of turn OFF can be set in mobile APP (See below screenshot)



2) MEH with Bluetooth connectivity to support mobile APP. The mobile APP can be downloaded by below QR codes



M Battery -Google Play



M Battery - APP Store