Tigo

1. General Information - Specifications

ATTENTION - READ FIRST

- 1. This document is for general guidance only. Refer to the Energy Intelligence (EI) Inverter Installation & Operations Manual for more detail.
- 2. Before installing the system, verify that the package contents are intact and complete as per the packing list. Contact your dealer if there is equipment damage or missing components.

ATTENTION - Use the appropriate QSG's to perform the physical installation of the EI system in the following order:

- 1. EI Battery
- 2. EI Inverter
- 3. EI Link
- 4. EI BMS

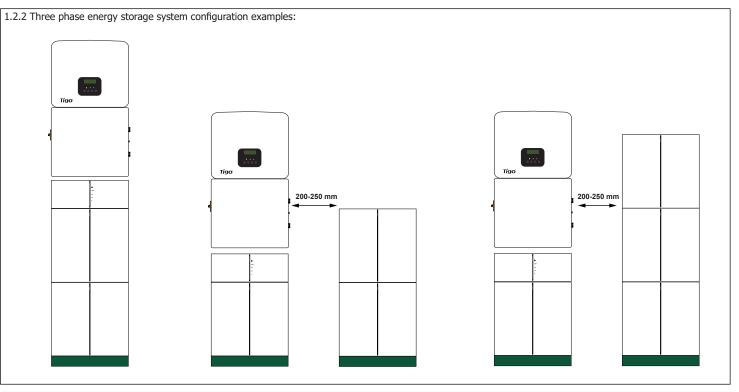




200-250 mm

1.1 Package Contents

BMS:			Battery Module:		
Index	Item	Quantity	Index	Item	Quantity
1	BMS	1	1	Battery Module	1
2	BMS to Inverter Charging Cable (+) (2.0 m)	1	2	Battery Module Power Cable (690 mm)	1
3	BMS to Inverter Charging Cable (-) (2.0 m)	1	3	COMM Communication Cable (600 mm)	1
4	BMS to Battery Module Power Cable (120 mm)	1	4	M4 Screw	2
5	BMS Communication Cable (2.2 m)	1	5	Grounding Wire (450 mm)	1
6	COMM Communication Cable (200 mm)	1	6	Quick Start Guide	1
7	Tightening Wrench	1	Accessories: Index Item Quantity		
8	Wall Mounting Bracket	1			
9	M5 Screw	4			Quantity
10	Flat Washer	2		Battery Module Power Cable (1200 mm)	1
11	Grounding Wire (150 mm)	1	2	Battery Module COMM Communication Cable (1200 mm)	1
12	Lag Bolt	2	3	Grounding Wire (1200 mm)	1
13	Wall anchor	2	4	Battery Base	1
14	Wire protector	2	5	Cover Plate	1
15		1	6	Wall Mounting Bracket	2
	Mounting Base	1	7	Wire Protector Ring	4
16	Safety manual	1	8	M4 Screw	8
			9	Wall Bracket Accessories	1
			10	Battery Module to BMS Power Cable (2500 mm) [optional]	1



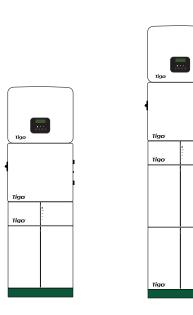
2. Installation

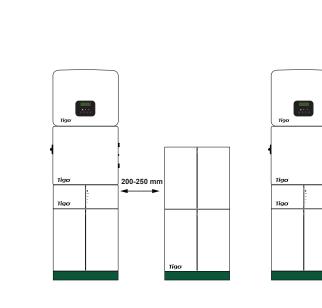
- 2.1 Battery Base
- 1. 2.

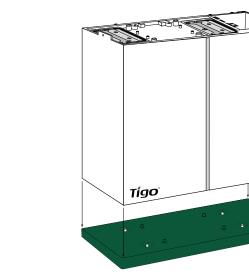
1.2 System Configuration

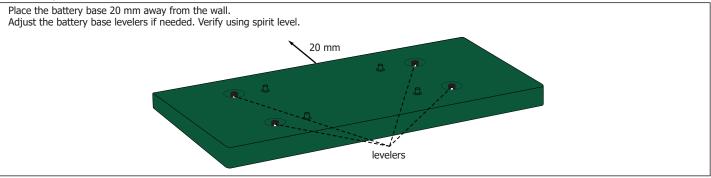
The EI Solution is ground mounted. All components stack together to form a complete unit. Extension batteries are installed to the right side of the main cabinet as shown below.

1.2.1 Single phase energy storage configuration examples:







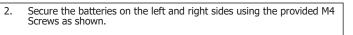


2.2 Battery Module(s)

- 1. Load the battery modules on the base as per Section 1.2.

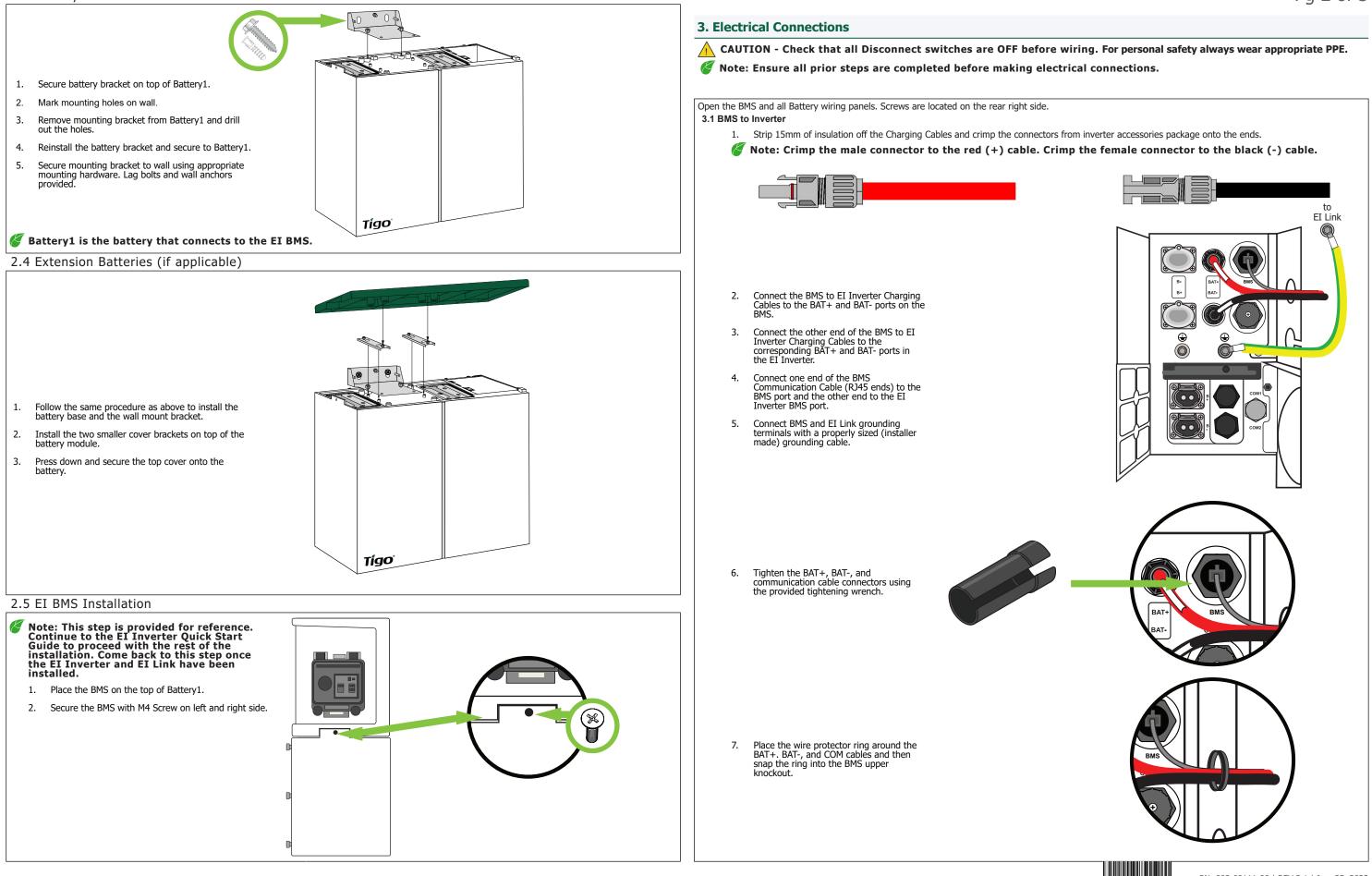
EI Battery (Including EI BMS)

Quick Start Guide - EI BMS/TSB-3/EI Battery Accessories Pg 1 of 3









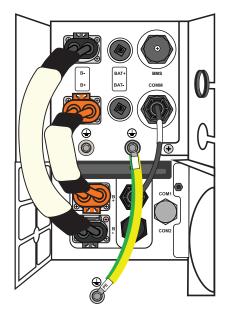
EI Battery (Including EI BMS) Quick Start Guide - EI BMS/TSB-3/EI Battery Accessories Pq 2 of 3

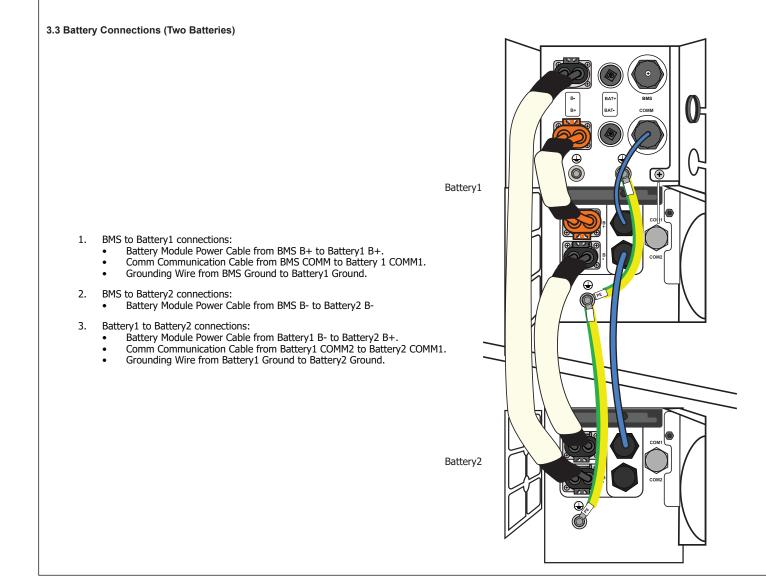
Tigo 3.2 Battery Connection (One Battery)

Battery1

Connect the following ports between the BMS, EI Inverter, and Battery1:

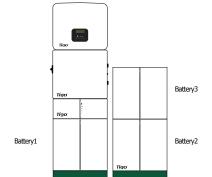
- 1. Connect Battery Module Power Cable from BMS B+ to Inverter B+ port.
- 2. Connect Battery Module Power Cable from BMS B- to Inverter B- port.
- Connect Battery COMM cable from BMS COMM to Battery1 COM1 port. 3.
- Connect BMS Ground wire from BMS ground screw to Battery1 ground screw. 4.

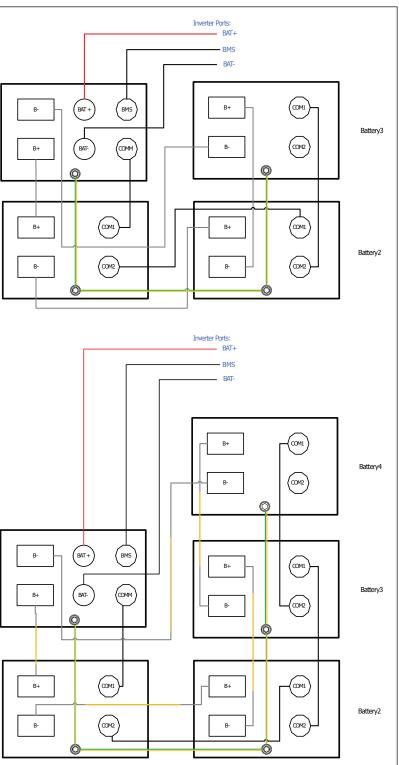




3.4 Three Batteries

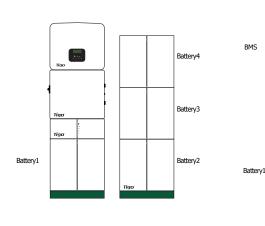
- BMS to Battery1: B+ to B+; COMM to COMM1; Ground to Ground 1.
- 2. BMS to Battery3: B- to B-
- Battery1 to Battery2: B- to B+; COMM2 to COMM1; 3. Ground to Ground
- Battery2 to Battery3: B- to B+; COMM2 to COMM1; BMS Ground to Ground 4

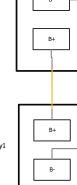




3.5 Four Batteries

- BMS to Battery1: B+ to B+; COMM to COMM1; Ground to Ground. 1.
- BMS to Battery3: B- to B-. 2.
- 3. Battery1 to Battery2: B- to B+; COMM2 to COMM1; Ground to Ground.
- 4. Battery2 to Battery3: B- to B+; COMM2 to COMM1; Ground to Ground.
- 5. Battery3 to Battery4: B- to B+; COMM2 to COMM1; Ground to Ground.





4. Your Customer Service Contact

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Americas: +1 408 402 0802 International: 00800 2255 8446





https://support.tigoenergy.com/

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