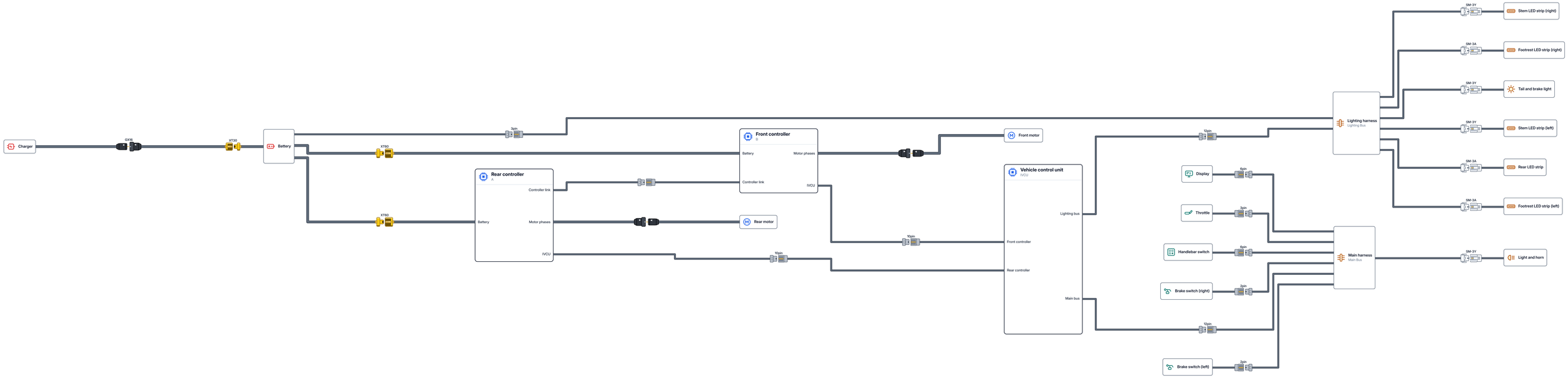
WIRING DIAGRAM

Teverun Fighter Mini 2025



WIRE COLOURS

Colour not shown

CONNECTORS

Gold pins: male side. Dark sockets: female side.

XT30

Connector (type not shown)

XT60

JST SM plug

Round waterproof plug

NOTES

1. The original is a black line drawing, with no wire or plug colour. Each link is drawn as a single cable, without the number of its wires. It is redrawn as a single line in colour not shown, and each plug in the usual colour of its type.
2. Plug names are those printed on the original. SM-3A and SM-3Y are written inside the frame of each strip or light. The *2pin*, *3pin*, *6pin*, *10pin* and *12pin* plugs are only described by their number of pins, without type. The GX16 plug on the charger cable is only drawn as two rectangles. It is classed as a round plug from its name.
3. On the original, the battery data connection (*3pin plug*) joins the lighting harness that leaves the IVCU Lighting Bus plug.
4. The brake switches are called Left brake power failure and Right brake power failure on the original.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique TEVERUN Fighter Mini 2025".

Redrawn by FōhzShop on 1 November 2026.

Disconnect the battery before any work.

CONNECTOR PINOUT

Connector	To	Wire
Rear controller Controller link	**Front controller** Controller link Connectors: Connector (type not shown)	Colour not shown · Ground
Rear controller Motor phases	**Rear motor** Connectors: Round waterproof plug	Colour not shown · Wires not shown
Rear controller IVCU	**Vehicle control unit** Rear controller Connectors: Connector (type not shown) 10pin	Colour not shown · Wires not shown
Front controller Motor phases	**Front motor** Connectors: Round waterproof plug	Colour not shown · Wires not shown
Front controller IVCU	**Vehicle control unit** Front controller Connectors: Connector (type not shown) 10pin	Colour not shown · Wires not shown
Vehicle control unit Lighting bus	**Lighting harness** Connectors: Connector (type not shown) 12pin	Colour not shown · Wires not shown

Connector	To	Wire
Vehicle control unit Main bus	**Main harness** Connectors: Connector (type not shown) 12pin	Colour not shown · Wires not shown
Battery Output 1	**Rear controller** Battery Connectors: XT60	Colour not shown · Wires not shown
Battery Output 2	**Front controller** Battery Connectors: XT60	Colour not shown · Wires not shown
Battery Data	**Lighting harness** Branch 7 Connectors: Connector (type not shown) 3pin	Colour not shown · Wires not shown
Charger	**Battery** Charge Connectors: Round waterproof plug GX16 / XT30	Colour not shown · Wires not shown

Connector	To	Wire
Lighting harness Branch 1	**Rear LED strip** Connectors: JST SM plug SM-3A	Colour not shown · Wires not shown
Lighting harness Branch 2	**Footrest LED strip (right)** Connectors: JST SM plug SM-3A	Colour not shown · Wires not shown
Lighting harness Branch 3	**Footrest LED strip (left)** Connectors: JST SM plug SM-3A	Colour not shown · Wires not shown
Lighting harness Branch 4	**Tail and brake light** Connectors: JST SM plug SM-3Y	Colour not shown · Wires not shown
Lighting harness Branch 5	**Stem LED strip (right)** Connectors: JST SM plug SM-3Y	Colour not shown · Wires not shown
Lighting harness Branch 6	**Stem LED strip (left)** Connectors: JST SM plug SM-3Y	Colour not shown · Wires not shown
Main harness Branch 8	**Light and horn** Connectors: JST SM plug SM-3Y	Colour not shown · Wires not shown

Connector	To	Wire
Brake switch (left)	**Main harness** Branch 1 Connectors: Connector (type not shown) 2pin	Colour not shown · Wires not shown
Throttle	**Main harness** Branch 2 Connectors: Connector (type not shown) 3pin	Colour not shown · Wires not shown
Display	**Main harness** Branch 3 Connectors: Connector (type not shown) 6pin	Colour not shown · Wires not shown
Handlebar switch	**Main harness** Branch 4 Connectors: Connector (type not shown) 6pin	Colour not shown · Wires not shown
Brake switch (right)	**Main harness** Branch 5 Connectors: Connector (type not shown) 2pin	Colour not shown · Wires not shown