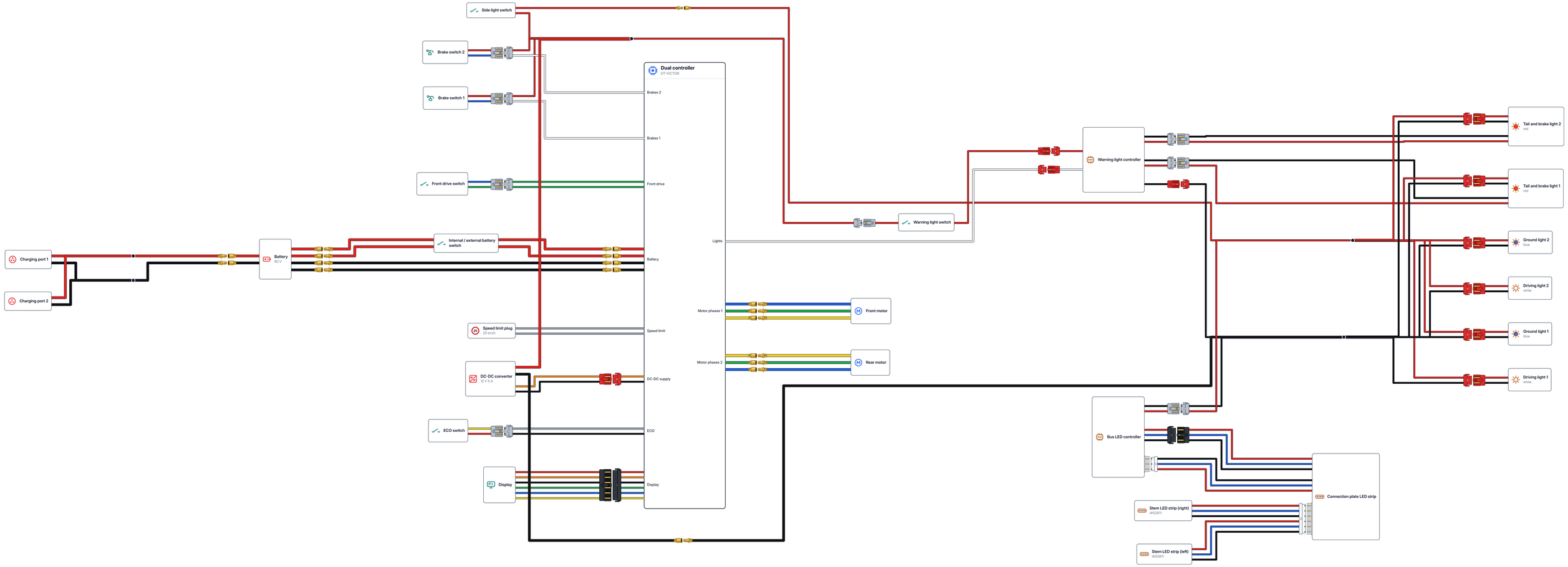
WIRING DIAGRAM

Dualtron Victor | 60 V

FOHZSHOP.FR



WIRE COLOURS

- Black BK
- Blue BU
- Green GN
- Grey GY
- Orange OG
- Red RD
- White WH
- Yellow YE

CONNECTORS

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

- Bullet connectors
- Board header
- JST SM plug
- Splice: wires are joined at this point

NOTES

1. The internal / external battery switch selects the battery feeding the controller. The external battery connection is not shown on the original diagram.
2. Each red tail light has two pairs of wires. The first is joined to the other lights, fed through the side light switch. The second goes to the warning light controller, LF and LR outputs.
3. The warning light controller inputs are only marked SC and JS on the original. SC takes the white wire from the controller, JS the warning light switch.
4. Both brake switches carry the same "left / right" label on the original, which does not say which one is on the left.
5. The original diagram shows no throttle.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique DUALTRON Victor" dated 11 March 2022.

Redrawn by FohzShop on 31 October 2026.

Disconnect the battery before any work.

CONNECTOR PINOUT

Connector	To	Wire
Dual controller Motor phases 1	**Front motor** Connectors: Bullet connectors	Blue · Motor phase Green · Motor phase Yellow · Motor phase
Dual controller Motor phases 2	**Rear motor** Connectors: Bullet connectors	Yellow · Motor phase Green · Motor phase Blue · Motor phase
Dual controller DC-DC supply	**DC-DC converter** Input Connectors: JST SM plug	Orange · IN+ Black · IN−
Battery Output	**Internal / external battery switch** Input Connectors: Bullet connectors	Red · Battery + Red · Battery +
Battery Output	**Dual controller** Battery Connectors: Bullet connectors / Bullet connectors	Black · Battery − Black · Battery −
Charging port 1	**Splice**	Red · Charge + Black · Charge −
Charging port 2	**Splice**	Red · Charge + Black · Charge −
Splice	**Battery** Charge Connectors: Bullet connectors	Red · Charge + Black · Charge −
Internal / external battery switch Output	**Dual controller** Battery Connectors: Bullet connectors	Red · Battery + Red · Battery +

Connector	To	Wire
Display	**Dual controller** Display Connectors: JST SM plug	Red Orange Black Green Blue Yellow
Brake switch 1	**Dual controller** Brakes 1 Connectors: JST SM plug	Blue, then white after the connector
Brake switch 1	**Splice** Connectors: JST SM plug	Red
Brake switch 2	**Dual controller** Brakes 2 Connectors: JST SM plug	Blue, then white after the connector
Brake switch 2	**Splice** Connectors: JST SM plug	Red
Speed limit plug	**Dual controller** Speed limit	Grey Grey
Front drive switch	**Dual controller** Front drive Connectors: JST SM plug	Blue, then green after the connector Green
ECO switch	**Dual controller** ECO Connectors: JST SM plug	Yellow, then grey after the connector Red, then black after the connector

Connector	To	Wire
DC-DC converter Output	**Splice**	Red · +12 V
DC-DC converter Output	**Splice** Connectors: Bullet connectors	Black · Ground
Splice	**Warning light switch** Connectors: JST SM plug	Red
Side light switch	**Splice**	Red
Warning light controller JS	**Warning light switch** Connectors: JST SM plug	Red
Warning light controller SC	**Dual controller** Lights Connectors: JST SM plug	White
Warning light controller GND	**Splice** Connectors: JST SM plug	Black · Ground
Warning light controller LF	**Tail and brake light 1** Input 2 Connectors: JST SM plug	Black · LED − Red · LED +
Warning light controller LR	**Tail and brake light 2** Input 2 Connectors: JST SM plug	Black · LED − Red · LED +
Bus LED controller Power	**Splice** Connectors: JST SM plug	Black · Ground Red · LED +

Connector	To	Wire
Bus LED controller RGB output 1	**Connection plate LED strip** Input Connectors: JST SM plug	Red · LED + Blue · LED data Black · LED −
Bus LED controller RGB output 2	**Connection plate LED strip** Output Connectors: Board header	Black · LED − Blue · LED data Red · LED +
Splice	**Side light switch** Connectors: Bullet connectors	Red · LED +
Ground light 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Ground light 2	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Driving light 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Driving light 2	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Tail and brake light 1 Input 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Tail and brake light 2 Input 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Stem LED strip (right)	**Connection plate LED strip** Connectors: Board header	Red · +12 V Blue · LED data Black · Ground
Stem LED strip (left)	**Connection plate LED strip** Connectors: Board header	Red · +12 V Blue · LED data Black · Ground