Internal block diagram

2026-11-19 · `examples/types/sysml-internal-block.json`

2 views · 1 card · 8 lines

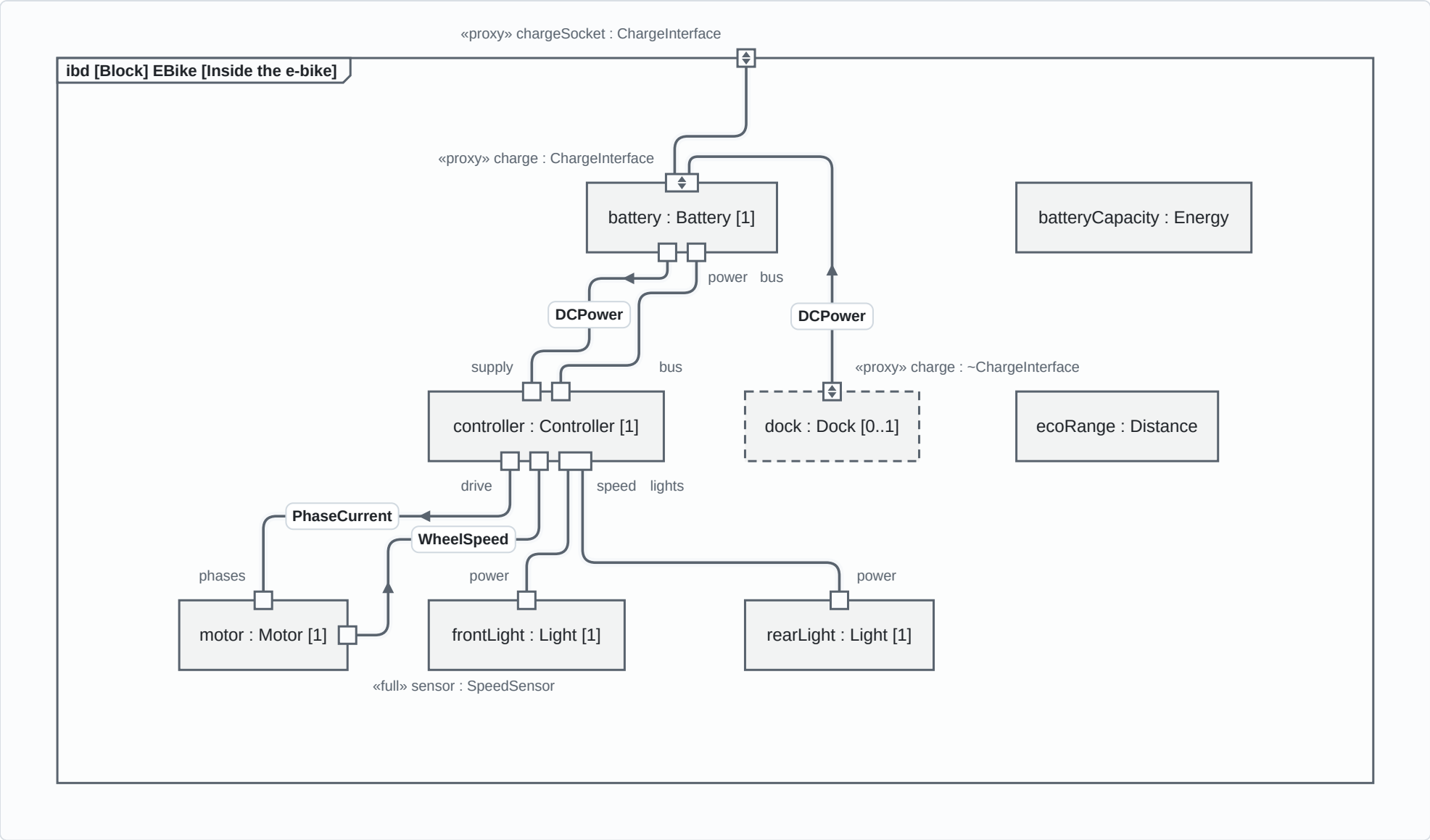
Contents

Inside the e-bike 2

Inside the e-bike, laid out right 4

Inside the e-bike

1 card · 8 lines



Legend — **Connector** a link between parts and ports → **Item flow** what flows along the connector, and which way ☐ **Proxy port** exposes features of its owner, typed by an interface block

☐ **Full port** a part of its owner on its border

Inside the e-bike (continued)

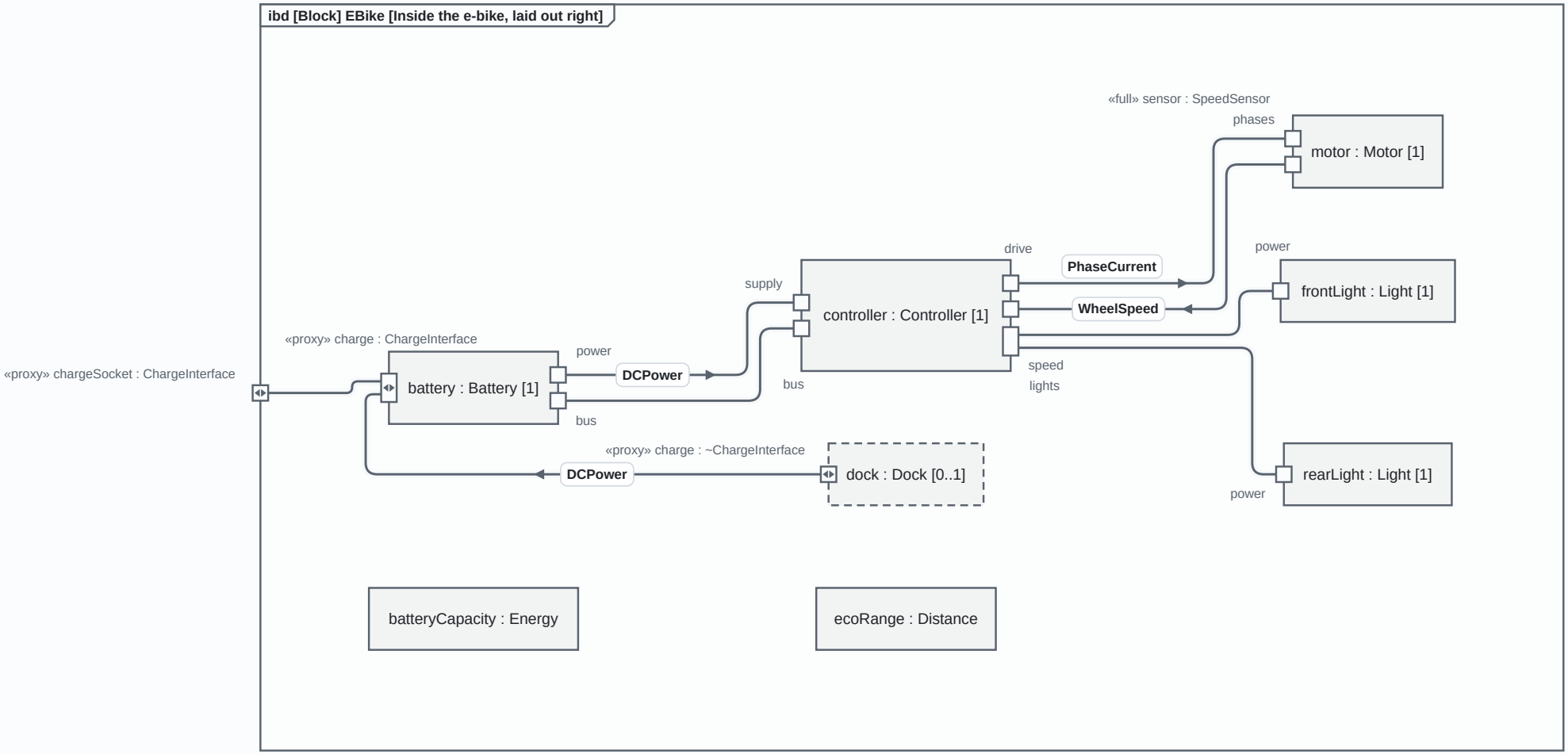
1 card · 8 lines

Elements 1

Card	Kind	Members
EBike	Block	proxy port chargeSocket : ChargeInterface battery : Battery [1] controller : Controller [1] motor : Motor [1] frontLight : Light [1] rearLight : Light [1] ref dock : Dock [0..1] batteryCapacity : Energy ecoRange : Distance

Lines 8

From → to	Label	Kind
battery : Battery [1] → dock : Dock [0..1]	DCPower, dock to battery	Connector
EBike → battery : Battery [1]		Connector
battery : Battery [1] → controller : Controller [1]	DCPower, battery to controller	Connector
battery : Battery [1] → controller : Controller [1]		Connector
controller : Controller [1] → motor : Motor [1]	PhaseCurrent, controller to motor	Connector
controller : Controller [1] → motor : Motor [1]	WheelSpeed, motor to controller	Connector
controller : Controller [1] → frontLight : Light [1]		Connector
controller : Controller [1] → rearLight : Light [1]		Connector



Legend — **Connector** a link between parts and ports → **Item flow** what flows along the connector, and which way ☐ **Proxy port** exposes features of its owner, typed by an interface block

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controller : Controller [1] → motor : Motor [1]	PhaseCurrent, controller to motor	Connector
controller : Controller [1] → motor : Motor [1]	WheelSpeed, motor to controller	Connector
controller : Controller [1] → frontLight : Light [1]		Connector
controller : Controller [1] → rearLight : Light [1]		Connector