

Technical data sheet

CARLA Family



CARLA mini



eCARLA mini



CARLA



eCARLA



eCARLA OR



CARLA maxi



eCARLA maxi

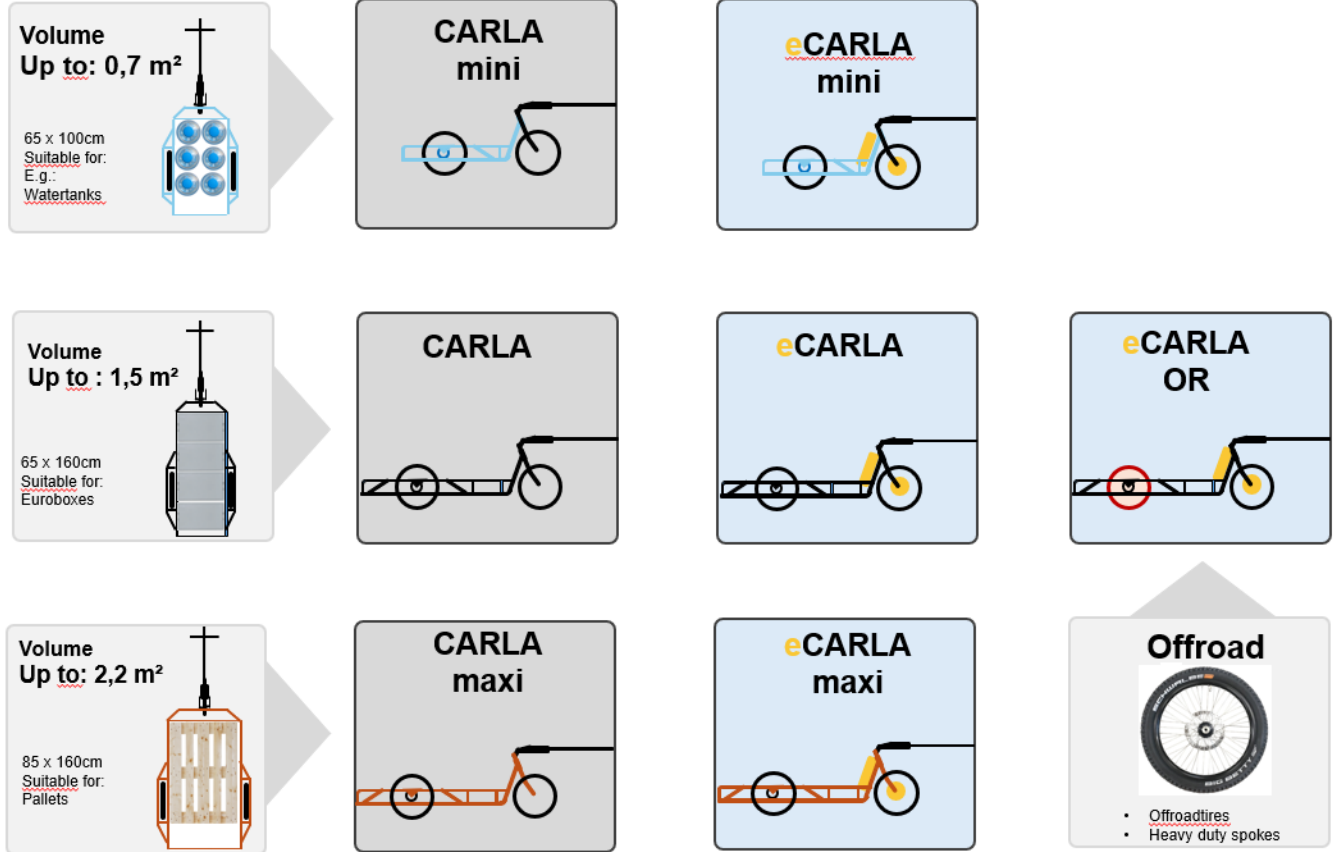
Technical data sheet

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1. Model overview

CARLA Family



1.1 Dimensions and weight of the MODELS

		CARLA mini	CARLA	CARLA maxi	eCARLA mini	eCARLA	eCARLA OR	eCARLA maxi
Length	Without drawbar	1650	2300	2300	1650	2300	2300	2300
	With drawbar	2320	3000	3000	2320	3000	3000	3000
	Drawbar turned in, minimum length	1450	2100	2100	1450	2100	2100	2100
Width	at the rear wheel suspension	952	952	1150	952	952	952	1150
Height	Unladen at the drawbar (ca.)	795*	795*	795*	795*	795*	795*	795*
Ground clearance	(ca.)	150 *	150 *	150 *	150 *	150 *	150 *	150 *
Unladen weight (Kg)	without floor plate & battery	33	37	43	39	43	43	50
Position Axles	Measured from the rear	380	650	650	380	650	650	650
Turning circle	Cargo trailer	2100	2100	2100	2100	2100	2100	2100

All dimensions in mm or KG if not otherwise specified

* Depending on load and tire pressure.

1.2 Dimensions and weight of the PLATFORMS

		CARLA mini	CARLA	CARLA maxi	eCARLA mini	eCARLA	eCARLA OR	eCARLA maxi
Length	Loading area	1000	1670	1650	1000	1650	1650	1650
Width	Loading area	650	650	850	650	650	650	850
Height	Platform surface <> Floor	170*	170*	170*	170*	170*	170*	170*
	Of the side rail	145	145	145	145	145	145	145
	Mudguards <> Platform	360	360	360	360	360	360	360
Weight (Kg)	Standard baseplate CNC	4,0	6,8	17,8	3,0	6,8	6,8	17,8
Thickness	Standard baseplate CNC	9	9	18	9	9	9	18

1.3 Dimensions and weight (in Kg) of LOADINGS

		CARLA mini	CARLA	CARLA maxi	eCARLA mini	eCARLA	eCARLA OR	eCARLA maxi
Gross vehicle weight		250	250	275	250	250	250	275
Weights (Kg)	Trailer	33	37	43	39	43	43	50
	Base plate	4,0	6,8	17,8	4,0	6,8	6,8	17,8
	Battery				6,4	6,4	6,4	6,4
Payload with baseplate / battery		213	206	214	201	194	194	201
Max. loading volume	in m³	0,7	1,5	2,2	0,7	1,5	1,5	2,2
Loading height	from ground	1200	1600	1800	1200	1600	1600	1800
	from platform	1000*	1400*	1600*	1000*	1400*	1400*	1600*

1.4 LIGHTING and REFLECTORS

		CARLA mini	CARLA	CARLA maxi	eCARLA mini	eCARLA	eCARLA OR	eCARLA maxi
Lighting system	SON hub dynamo / 2 x SON rear lights AC		●	●				
	Shimano hub dynamo / 2 x B&M rear lights	●						
	2 x SKS / B&M Rücklichter DC				●			
	2 x ILU / SON rear lights DC					●	●	●
Reflectors	2 x rear & 2 x front & on the side of the tires	●	●	●	●	●	●	●

All dimensions in mm or KG if not otherwise specified

* Depending on load and tire pressure.

1.5 MATERIAL and ATTACHED PARTS

		CARLA mini	CARLA	CARLA maxi	eCARLA mini	eCARLA	eCARLA OR	eCARLA maxi
Frame	Tubular steel frame, in-house construction	●	●	●	●	●	●	●
Frame color	Deep black RAL 9005	●	●	●	●	●	●	●
	Sun yellow RAL1037		●			●	●	
	Custom colors available on request	●	●	●	●	●	●	●
Fork	Tubular steel In-house construction	●	●	●	●	●	●	●
Overrun brake	With brake booster In-house construction	●	●	●	●	●	●	●
Brakes rear wheels	Hydraulic: Magura (BIG Twin) 2,0 mm		●	●		●	●	●
	Mechanical Jagwire: 1,8 mm	●			●			
Brake front wheel	Mechanical rim brake, parking function	●	●	●	●	●	●	●
Tires Rims	20 inch hollow section rims	●	●	●	●	●	●	●
	SON heavy duty rims on the rear wheel	optional	optional	●	optional	optional	●	●
Tires, tubes	Schwalbe Pick UP / BigBen	●	●	●	●	●		●
	Schwalbe BigBetty						●	
Tow bar	Steel tube, self-construction	●	●	●	●	●	●	●
Clutch	Standard: Haerry hitch, short version	●	●	●	●	●	●	●
Safety flag	Rod 145cm / Pennant with logo	●	●	●	●	●	●	●

All dimensions in mm or KG if not otherwise specified

* Depending on load and tire pressure.

1.6 PRODUCT PHOTOS

		
• Handle of the handcart • Parking brake on the handcart • Counterpart of the clutch • Electronic connections* (pedal sensor, throttle handle)	• Rim brake • Drawbar • Overrun brakes • Battery holder* (standard model) • Electric engine*	• Rear wheels suspension • Disk brakes of the overrun brake • Back lights and reflectors • Mudguards

* Pictures show an eCARLA

2. Electric version

The electric models eCARLA mini, eCARLA, eCARLA OR and eCARLA maxi are delivered without battery and charger as standard.

2.1 GENERAL PARAMETERS		
Operating modes	Bicycle	Support up to 25 km/h
	Handcart	Support up to 6 km/h
Pedal sensor	Pedal sensor at the bottom bracket. Depending on the bottom bracket there are different versions, we are happy to advise you.	
throttle handle	At the Trailer	Handcart up to 6 km/h
	At the bicycle	Starting assistance up to 6 km/h
		Additional boost up to 25km /h

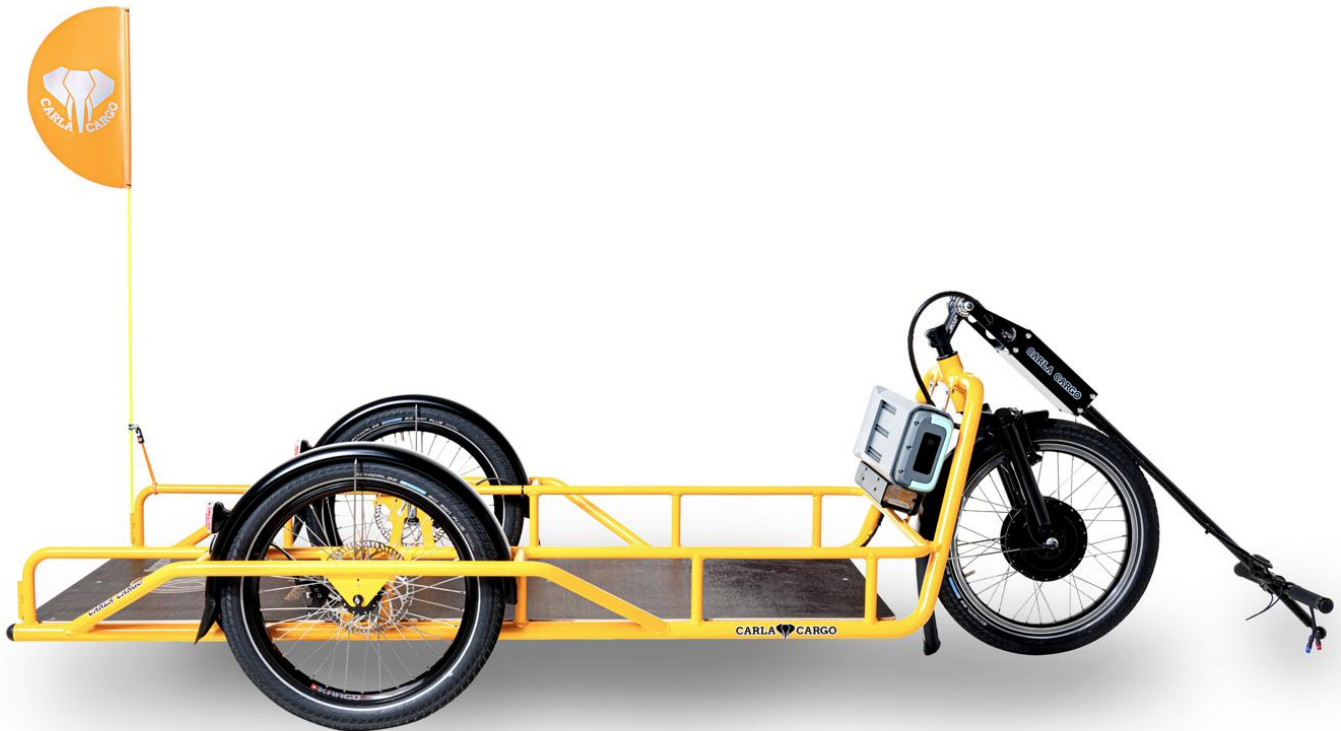


AES-Version (720 Wh)



AES-Battery and charger

2.2 eCARLA AES (48V)

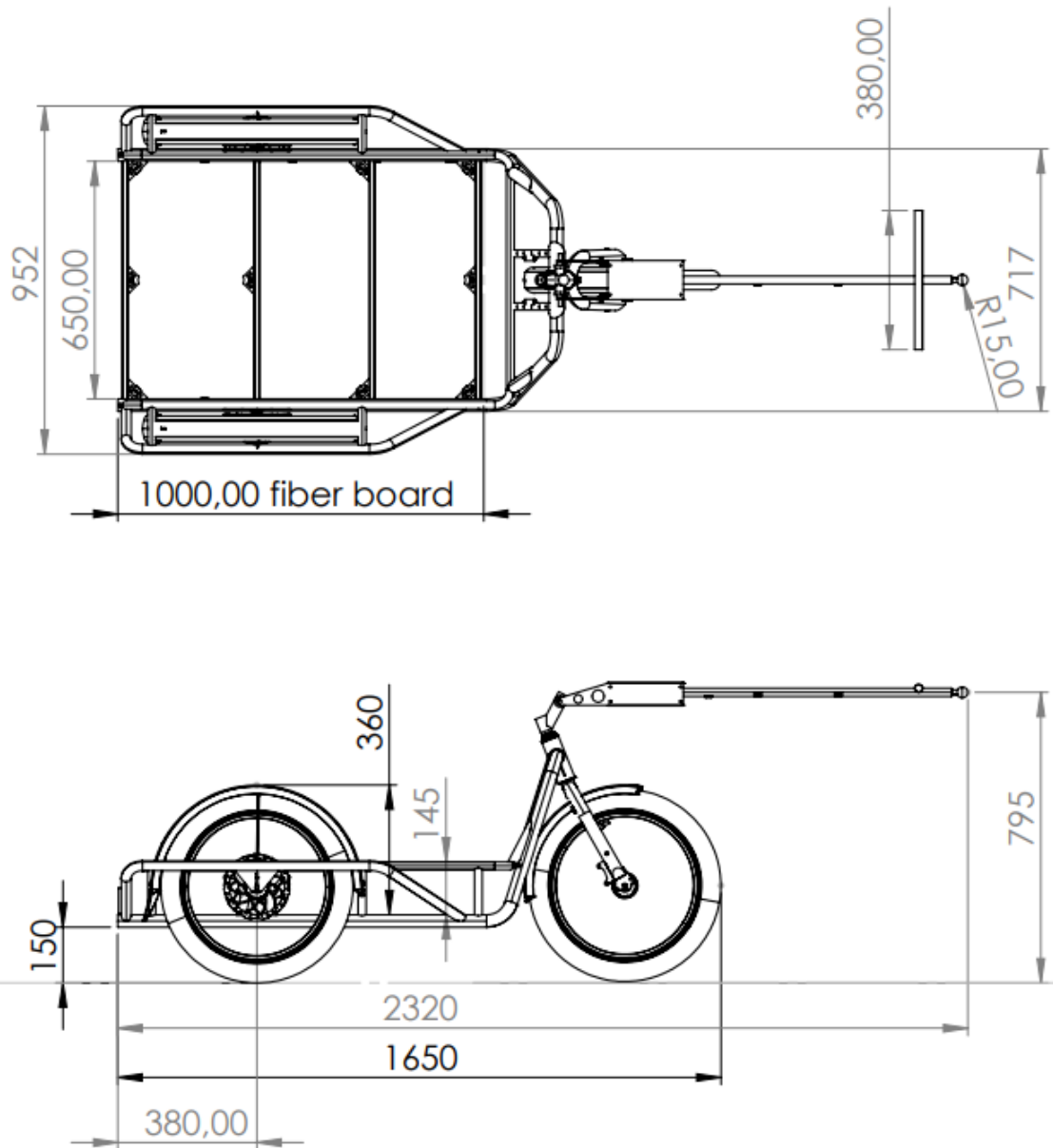


Drive unit	Engine	Bafang G070.500.D13
	Peak performance nominal	750 W
	Nominal performance (according DIN EN 15194)	250 W
	Torque	45 Nm
Battery	Model	AES eBike Akku 2.0
	Capacity	720 Wh
	Range	40 – 50 km ₂
	Charging time	ca. 4 h
	Weight	5,9 kg
	Exchangeable	yes
	Cell type	LiFePo4
	Lockable	yes
Battery charger		IN: 100-240V: 50Hz~60Hz

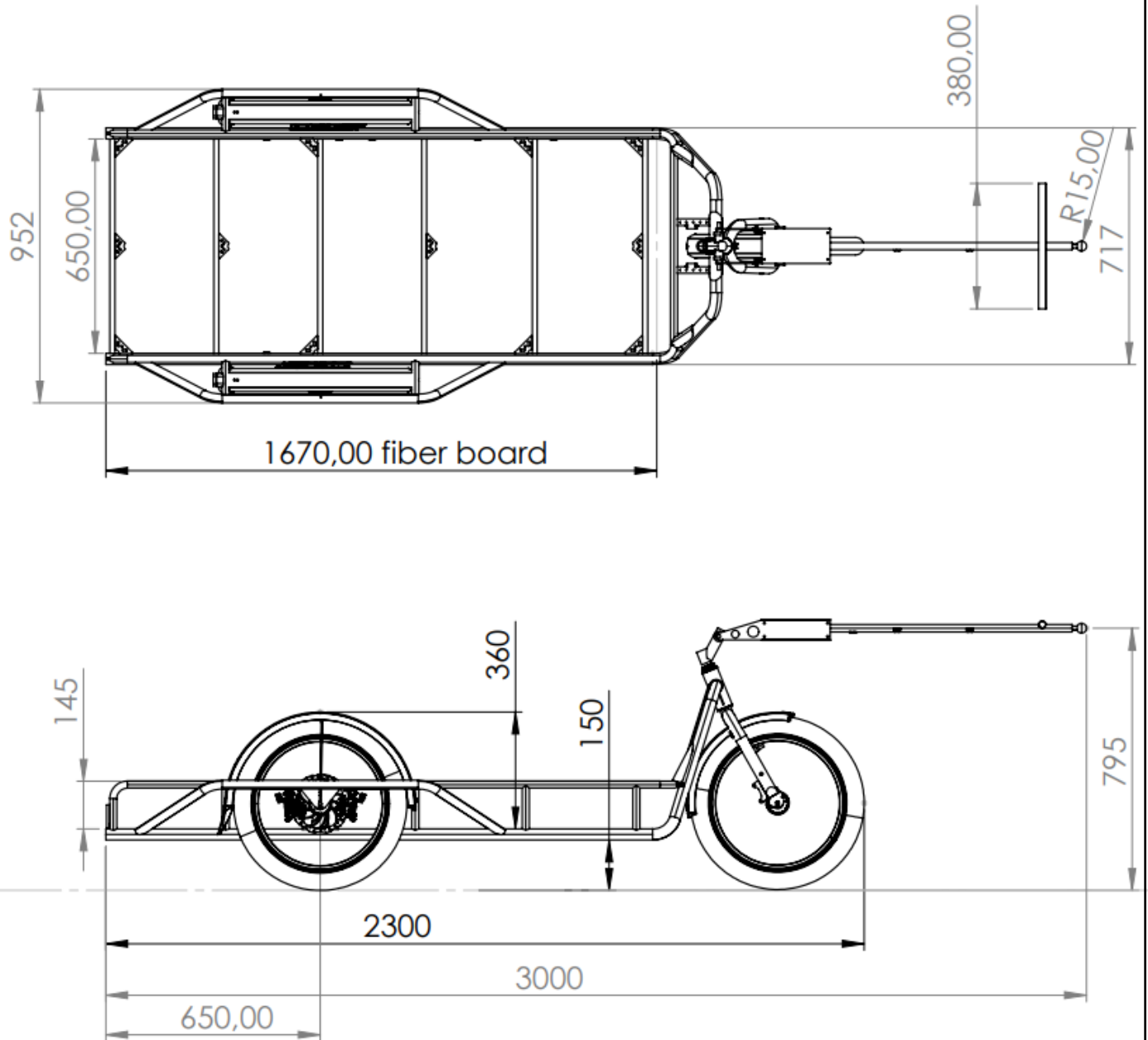
2 Data without guarantee, highly dependent on load and gradient.

3. TECHNICAL DRAWING

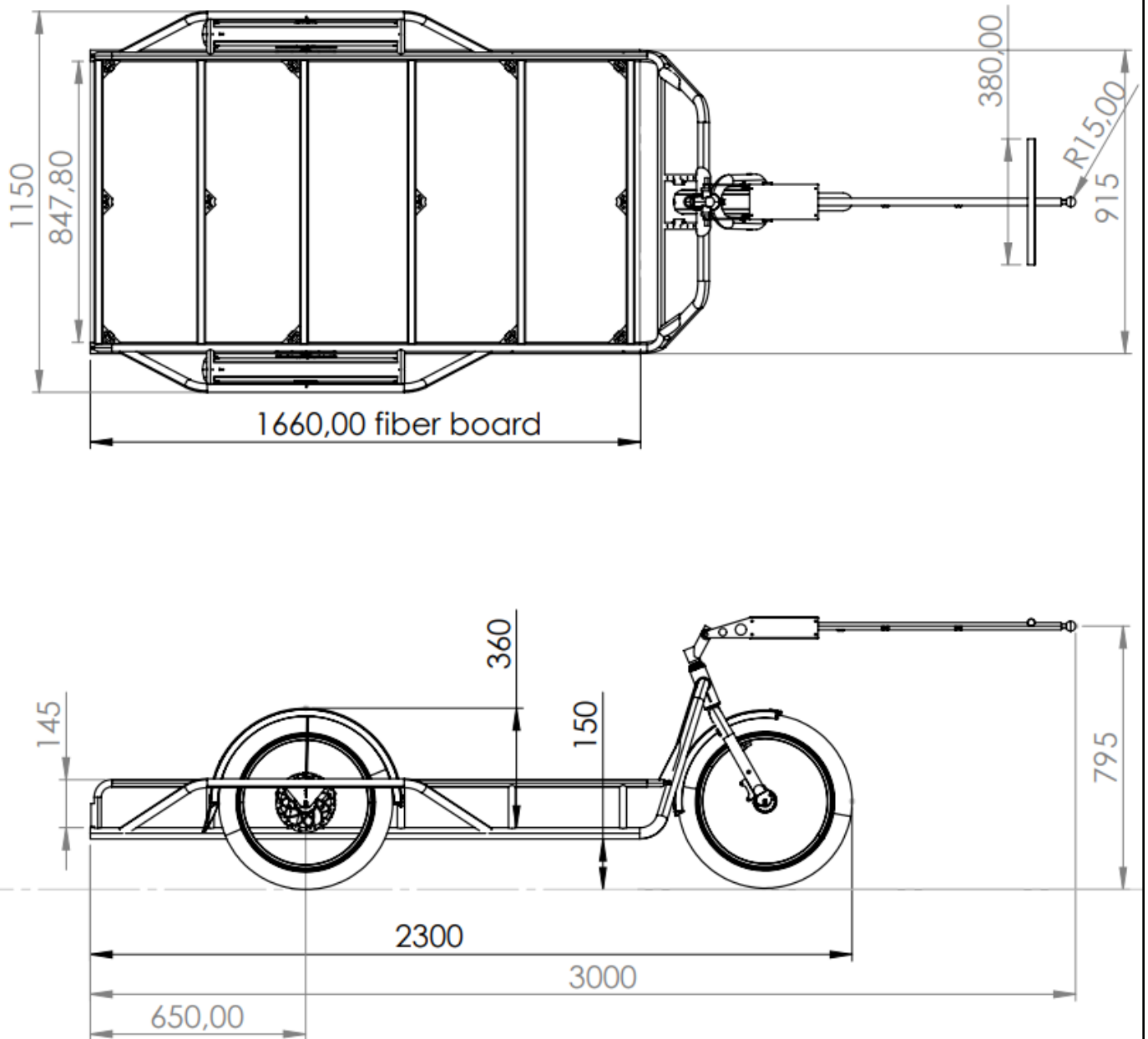
3.1 Technical drawing CARLA mini



3.2 Technical drawing CARLA



3.3 Technical drawing CARLA maxi



4. TECHNICAL INFORMATION

- Subject to technical changes.
- Colors and attachments may differ from photos and descriptions.
- Approved as bicycle trailer according to German law (StVZO).
- 2 years warranty on frame and attachments (except wear parts).
- 1 year warranty on the 48V batteries.
- In combination with a bicycle approved as pedelec according to the European standard DIN EN 15194, if applicable.

Construction according to:

- Machinery Directive: 2006/42/EG
 - EMC Directive: 2014/30/EU
 - Low Voltage Directive: 2014/35/EU
-
- Latest update: 16.05.2025

Description	Model year
CARLA mini	From 2024
CARLA	From 2024
CARLA maxi	From 2024
eCARLA mini	From 2025
eCARLA	From 2024
eCARLA maxi	From 2024
eCARLA Offroad (OR)	From 2024
CARLA mini	From 2024