




TECHNICAL DATASHEET

Ikarus electric buses	Ikarus 80e	Ikarus 120e	Ikarus 180e
			
Length	8 545 mm	12 190 mm	18 750 mm
Height	3 300 mm	3 300 mm	3 360 mm
Passenger capacity	18/60	28/86	45(+2)/113
Motor	central, PMS, liquid cooling	central, PMS, liquid cooling	central, PMS, liquid cooling
Battery	LFP	LFP	LFP
Range	300 km	380 km	390 km
Rated power	170 kW	240 kW	350 kW
Max torque	2000 Nm	3 200 Nm	3 500 Nm
Battery capacity	281.9 kWh	422 kWh	563,8 kWh
Passenger room inner height	>2 100 mm	>2 300 mm	2 455 mm
Door arrangement	1-2-0	2-2-2*	2-2-2-2*
Wheelbase	4 350 mm	5 840 mm	5 250 + 7 150 mm
Turning circle		23,44 m	25 m
Assistant systems (ADAS)	Mobileye Fisheye	Mobileye Fisheye	Mobileye Fisheye
	Driver fatigue monitoring	Driver fatigue monitoring	Driver fatigue monitoring
	Advanced driver distraction warning system	Advanced driver distraction warning system	Advanced driver distraction warning system
Suppliers	CATL, BOSCH, KNORR, Michelin, Actia, Grammer	CATL, BOSCH, ZF, WABCO, Michelin, Webasto, Actia, Mobitec/LAWO, Fogmaker, Mobileye, Hella, ISRI/Grammer	CATL, ZF, Hübner, KONVEKTA, Webasto, WABCO, Michelin, Actia, Mobitec/LAWO, Fogmaker, ISRI/Grammer, Hella, Mobileye
SIEMENS pantograph	n/a	optional	optional

*optional alternative arrangements

For all vehicles:

Variable interior layout

V2G compatibility for the battery system (available in 2024)

Models suitable for M3/II. category