

Leapmotor C16 - Specifications and Configurations						
Market side version name	Extended Range 200 Smart Edition	Pure Electric 520 Smart Edition	Pure electric 570 Smart Edition	Extended Range 200 Premium Edition	Pure Electric 520 Premium Edition	Pure Electric 570 Premium Edition
Left and right rudder	Left rudder	Left rudder	Left-rudder	Left rudder	Left rudder	Left-rudder
language	English, Russian, Spanish					
Collision star rating	national standard	/	/	national standard	/	/
C-IAI rating	/	PGGG (23rd edition)	PGGG (23rd edition)	/	PGGG (23rd edition)	PGGG (23rd edition)
Basic parameters						
Length * Width * Height (mm)	4915*1905*1770	4915*1905*1770	4915*1905*1770	4915*1905*1770	4915*1905*1770	4915*1905*1770
Wheelbase (mm)	2825	2825	2825	2825	2825	2825
Front wheelbase (mm)	1625	1625	1625	1625	1625	1625
Rear wheelbase (mm)	1625	1625	1625	1625	1625	1625
Minimum ground clearance without load (mm)	≥205	≥205	≥205	≥205	≥205	≥205
Curb weight (kg)	2065	2095	2085	2065	2095	2085
Full load mass (kg)	2515	2545	2535	2515	2545	2535
Vehicle structure	Bearing type	Bearing type	Bearing type	Bearing type	Bearing type	Bearing type
Maximum speed of LKM (km/h)	170	190	190	170	190	190
30 minute maximum speed (km/h)	150	175	175	150	175	175
0-50km/h acceleration (S)	3.31	3.24	3.24	3.31	3.24	3.24
0-100km/h acceleration (S)	8.46	6.82	6.82	8.46	6.82	6.82
Wind resistance coefficient (Cd)	0.31	0.3	0.3	0.31	0.3	0.3
100-0km/h braking (m)	≤38	≤38	≤38	≤38	≤38	≤38
Maximum climbing gradient (%)	≥35	≥35	≥35	≥35	≥35	≥35
Vehicle warranty	3 years or 50,000 km					
Vehicle structure	5-door 6-seater SUV	5-door 6-seater SUV	5-door 6-seater SUV	5-door 6-seater SUV	5-door 6-seater SUV	5-door 6-seater SUV
Number of car doors (pieces)	5	5	5	5	5	5
Number of seats (units)	6	6	6	6	6	6
Front trunk volume (L)	—	—	—	—	—	—
Rear compartment capacity (L)	182	182	182	182	182	182
Folding capacity of rear seats and trunk (L)	652	652	652	652	652	652
Basic parameters - extended range						
CLTC pure electric range (km)	200	—	—	200	—	—
CLTC comprehensive range (km)	1095	—	—	1095	—	—
WLTC pure electric range (km)	134	—	—	134	—	—
WLTC comprehensive range (km)	910	—	—	910	—	—
WLTC Minimum State of Charge Fuel Consumption (L/100km)	6.19	—	—	6.19	—	—
WLTC pure electric driving state power consumption (kWh/100km)	18.5	—	—	18.5	—	—
Battery system						
CLTC range (km)	—	520	570	—	520	570
Battery type	Lithium iron	Lithium iron	Lithium iron	Lithium iron	Lithium iron	Lithium iron
Battery capacity (kWh)	28.4	67.7	74.9	28.4	67.7	74.9
Battery energy density (wh/kg)	115.2	127	127	115.2	127	127
CLTC electricity consumption (kWh/100km)	—	14.8	14.8	—	14.8	14.8
Voltage platform (V)	326.4V	657.3V	657.3V	326.4V	657.3V	657.3V
Voltage range (V)	255-372.3	460-759.2	460-759.2	255-372.3	460-759.2	460-759.2
Battery heating	Liquid heat	Liquid heat	Liquid heat	Liquid heat	Liquid heat	Liquid heat
Battery cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling
Battery protection level	IP67	IP67	IP67	IP67	IP67	IP67
Battery Pack Warranty	5 years or 100,000 km					
Charging time	3h (6.6KW) 30min (35KW)	6h (6.6KW) 15min (180KW)	6h (6.6KW) 19min (180KW)	3h (6.6KW) 30min (35KW)	6h (6.6KW) 15min (180KW)	6h (6.6KW) 19min (180KW)
Charging port	•	•	•	•	•	•
	•	•	•	•	•	•
	•	•	•	•	•	•
	—	—	—	—	—	—
	•	•	•	•	•	•
Power inverter output (V2L)	•	•	•	•	•	•
Range extender system						
engine	H15R	—	—	H15R	—	—
	1.499	—	—	1.499	—	—
	Natural inhalation	—	—	Natural inhalation	—	—
	70	—	—	70	—	—
	5200	—	—	5200	—	—
	135	—	—	135	—	—
	3400-4000	—	—	3400-4000	—	—
	Straight line	—	—	Straight line	—	—
	4	—	—	4	—	—
	Atkinson cycle integrated dual exhaust cooling EGR	—	—	Atkinson cycle integrated dual exhaust cooling EGR	—	—
	≥50	—	—	≥50	—	—
	92 and above	—	—	92 and above	—	—
	Intake jet	—	—	Intake jet	—	—
	National VI B+RDE	—	—	National VI B+RDE	—	—
Peak power of range extender assembly (KW)	60	—	—	60	—	—
Rated power of range extender assembly (KW)	50	—	—	50	—	—
Motor system						
Motor type	Permanent magnet synchronization	Permanent magnet synchronization	Permanent magnet synchronization	Permanent magnet synchronization	Permanent magnet synchronization	Permanent magnet synchronization
Total power of motor (kw)	170	215	215	170	215	215
Total torque of motor (N · m)	320	360	360	320	360	360
Maximum power of front motor (kW)	—	—	—	—	—	—
Maximum torque of front motor (N · m)	—	—	—	—	—	—
Maximum power of rear motor (kW)	170	215	215	170	215	215
Maximum torque of rear motor (N · m)	320	360	360	320	360	360

transmission case	Single speed	Single speed	Single speed	Single speed	Single speed	Single speed
Chassis system						
Drive mode	Rear drive	Rear drive	Rear-drive	Rear drive	Rear drive	Rear-drive
Drive form	Extended range rear wheel drive	Pure electric rear drive	Pure electric rear drive	Extended range rear wheel drive	Pure electric rear drive	Pure electric-rear drive
Front suspension type	MacPherson independent suspension	MacPherson independent suspension	MacPherson independent suspension	MacPherson independent suspension	MacPherson independent suspension	MacPherson independent suspension
Rear suspension type	Multi link independent suspension	Multi link independent suspension	Multi-link independent suspension	Multi link independent suspension	Multi link independent suspension	Multi-link independent suspension
Power steering assistance	Electric power assist	Electric power assist	Electric power assist	Electric power assist	Electric power assist	Electric power assist
brake assist	Electric power assist	Electric power assist	Electric power assist	Electric power assist	Electric power assist	Electric power assist
Shift mode	Electronic gear guard	Electronic gear guard	Electronic-gear guard	Electronic gear guard	Electronic gear guard	Electronic-gear guard
front brake	Vented Disc	Vented Disc	Vented-Disc	Vented Disc	Vented Disc	Vented-Disc
Rear brake	Vented Disc	Vented Disc	Vented-Disc	Vented Disc	Vented Disc	Vented-Disc
Parking type	•	•	•	•	•	•
Tire specifications	•	•	•	•	•	•
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	○①	○①	≡③	○①	○①	≡③
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Vehicle handling						
Vehicle Stability Control (ESC)	•	•	•	•	•	•
Anti lock braking system (ABS)	•	•	•	•	•	•
Electronic Braking Force Distribution (EBD)	•	•	•	•	•	•
Emergency Brake Assist (HBA)	•	•	•	•	•	•
Secondary Collision Braking (MCB)	•	•	•	•	•	•
Traction Control System (TCS)	•	•	•	•	•	•
Hill Descent Control (HDC)	•	•	•	•	•	•
Dynamic Parking (DBF)	•	•	•	•	•	•
Hill Start Assist (HHC)	•	•	•	•	•	•
Electronic Roll Over Prevention (ARP)	•	•	•	•	•	•
Automatic Parking (AVH)	•	•	•	•	•	•
Comfortable braking function	•	•	•	•	•	•
Steering mode	3 types	3 types	3-types	3 types	3 types	3-types
Driving mode	3 types	4 types	4-types	3 types	4 types	4-types
Energy mode	4 types	—	—	4 types	—	—
energy recovery	2 types	3 types	3-types	2 types	3 types	3-types
Security configuration						
gasbag	•	•	•	•	•	•
	•	•	•	•	•	•
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Safety belt	•	•	•	•	•	•
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ISO FIX child seat interface	•	•	•	•	•	•
TPMS tire pressure monitoring (direct type)	•	•	•	•	•	•
Vehicle anti-theft alarm system	•	•	•	•	•	•
Low speed pedestrian warning sound	•	•	•	•	•	•
Automatic locking during driving	•	•	•	•	•	•
Collision automatic unlocking	•	•	•	•	•	•
Reminder for unclosed car doors	•	•	•	•	•	•
Interior central locking system	•	•	•	•	•	•
Door opening warning light	—	—	—	—	—	—
Rear child safety lock (mechanical)	•	•	•	•	•	•
Danger alarm switch	•	•	•	•	•	•
External configuration						
lamps and lanterns	•	•	•	•	•	•
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External rearview mirror	•	•	•	•	•	•
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Skylight/Skyroof	•	•	•	•	•	•
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Rear tailgate	—	—	—	—	—	—
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Wiper	•	•	•	•	•	•
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Car Windows&Glass	•	•	•	•	•	•
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	1	1	‡	1	1	‡
Shark fin antenna	•	•	•	•	•	•
Luggage rack	•	•	•	•	•	•
Side window decorative strip	•	•	•	•	•	•
Front automatic door	—	—	—	—	—	—
Electric concealed door handle	—	—	—	—	—	—
Mechanical concealed door handle	•	•	•	•	•	•
Same color door handles on the body	•	•	•	•	•	•
Active Grille Shutter	—	—	—	—	—	—
Front trailer hook	•	•	•	•	•	•
Tail marking	•	•	•	•	•	•
Rear spoiler	•	•	•	•	•	•
Internal configuration						
Soft dashboard	•	•	•	•	•	•
Steering wheel	—	—	—	—	—	—
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Roof handle	—	—	—	•	•	•
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Interior rearview mirror	—	—	—	—	—	—
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Inner door handle	•	•	•	•	•	•
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air conditioner	—	•	•	—	•	•
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LEAP level assisted driving	—	—	—	—	—	—
Parking	•	•	•	•	•	•
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Leap OS intelligent in car system						
10.25-inch full LCD instrument panel	• (1920*720)	• (1920*720)	• (1920*720)	• (1920*720)	• (1920*720)	• (1920*720)
14.6-inch car mounted central control screen	• (High definition 2560 * 1440)	• (High definition 2560 * 1440)	• (High definition 2560 * 1440)	• (High definition 2560 * 1440)	• (High definition 2560 * 1440)	• (High definition 2560 * 1440)
15.6-inch car rear entertainment screen	○① (Standard definition 1920 * 1080)	○① (Standard definition 1920 * 1080)	○① (Standard definition 1920 * 1080)	○① (Standard definition 1920 * 1080)	○① (Standard definition 1920 * 1080)	○① (Standard definition 1920 * 1080)
Internet Radio	•	•	•	•	•	•
OTA upgrade	•	•	•	•	•	•
Dual zone recognition	—	—	—	—	—	—
Four zone recognition	•	•	•	•	•	•
Six tone recognition	—	—	—	—	—	—
online service	•	•	•	•	•	•
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intelligent control	•	•	•	•	•	•
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APP remote control	•	•	•	•	•	•
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communication	•	•	•	•	•	•
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Mobile screen mirroring	—	—	—	—	—	—
Mobile Internet	•	•	•	•	•	•
Sentry mode	•	•	•	•	•	•
Facial recognition system	—	—	—	•	•	•
Leap ID account and adaptive configuration system	—	—	—	•	•	•
Equipment interface	2	2	2	2	2	2
	2	2	2	2	2	2
	2	2	2	2	2	2
	1	1	1	1	1	1
	—	—	—	—	—	—
Front row wireless charging for mobile phones	•	•	•	•	•	•
Speaker * 6	—	—	—	—	—	—
Speaker * 12	•	•	•	•	•	•
Speaker * 21 (Dolby sound effect)	○①	○①	⊕	○①	○①	⊕
DSP*1	•	•	•	•	•	•
DSP * 1 (external)	○①	○①	⊕	○①	○①	⊕
Speed dependent volume adjustment	—	—	—	—	—	—
External temperature display	•	•	•	•	•	•
Accompanying accessories						
Automatic Inflatable Tire Replacement Fluid	—	—	—	—	—	—
Triangle warning signs, trailer hooks, reflective vests	•	•	•	•	•	•
Onboard manual	•	•	•	•	•	•
SD card socket	—	—	—	—	—	—
Reserved interface for car accessories and boutique items in the mall						
Remote key software reserved matching	•	•	•	•	•	•
Microphone software reserved for matching	•	•	•	•	•	•
ETC interface	•	•	•	•	•	•
Driving recorder power outlet	—	—	—	—	—	—
Charging gun	—	—	—	—	—	—
Discharge gun	—	—	—	—	—	—
Tail door canopy interface	•	•	•	•	•	•
Onboard picnic table interface	•	•	•	•	•	•
Reserved installation points for comfortable headrests	•	•	•	•	•	•
Other development projects						
C-V2X	—	—	—	—	—	—
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Optional package						
Optional Package ① Luxury Package	①	①	⊕	①	①	⊕
Appearance color						
Liuli Cui	○	○	•	○	○	•
Vanilla White	—	—	—	—	—	—

