

BMW

U.S. Press Information

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The new 2019 BMW i3 120Ah and i3s 120Ah.

- New 120Ah, 42.2 kWh battery offers up to a 153 mile electric range.
- Production begins November 2018.

Woodcliff Lake – Sept 28, 2018... Today, BMW announces the next chapter in the i3 story of electromobility; the new 2019 i3 and i3s with 120 Ah batteries. Since its launch in 2014, the battery capacity and range of the i3 has grown from the original 60Ah / 81 miles to 94Ah / 115 miles in 2017 and now 120Ah for 2019. With the high voltage battery cell capacity increased to 120 ampere hours (Ah) and a gross energy content of 42.2 kilowatt hours (kWh), the new generation of high-voltage batteries enables the BMW i3 120 Ah and the BMW i3s 120Ah to achieve a range of up to 153 miles, nearly a 30% improvement from the 94 Ah model and almost double its original range. The 2019 i3 REX model range is expected to be similarly improved, pending EPA certification.

The BMW i3 is a visionary electric vehicle and an inspirational design that has helped to make BMW i so popular through its innovative mobility solutions with sustainability as a key defining element. The BMW i brand has established itself as a pioneer for forward-thinking mobility by offering such products while also adopting an all-embracing approach that takes into account the complete lifecycle, from raw material production, through the manufacture and operation of the vehicles to their later recycling.

Complementing the introduction of the new battery, a new exterior color, a new color for the optional Mega World upholstery and full LED headlights with cornering lights and automatic high beams, are also available for the BMW i3 and BMW i3s. iDrive 6.0, previously available only with the optional Navigation Professional, is now featured on the standard navigation system. Additionally, a Wi-Fi hotspot and wireless charging tray for your personal mobile devices is available for the first time. The WiFi hotspot accommodates up to 10 devices and comes free with a 3 month or 3 GB trial offer.

New generation battery development: increased energy

The BMW eDrive technology enables drivers to enjoy emission-free mobility with instantaneous power delivery, efficient use of energy and an optimized range for everyday practicality that even extends beyond the demands of purely urban travel.

Like the electric motors, the high-voltage batteries are an integral part of the BMW eDrive technology used in BMW i automobiles and developed in-house the BMW Group. Based on research and development work conducted in close cooperation with the manufacturer of the individual battery cells, constant improvements to the battery packs' power output, vehicle range, safety and durability have been achieved. Installed low in the floor of the vehicle, the new high-voltage battery is produced at the BMW plant in Dingolfing and consists of eight modules, each with twelve storage cells: the latest cell capacity of 120Ah along with a gross energy content of 42.2kWh. The exterior dimensions of the battery pack remain unchanged. When launched in 2014, the i3's battery pack provided 60 Ah and 22.6kWh, while the second-generation battery introduced for 2017 offered a capacity of 94Ah and 33kWh.

The BMW i3, powered by a 170 hp electric motor, accelerates from 0 to 60 mph in 7.2 seconds, while the BMW i3s with 181 hp completes the standard sprint in 6.8 seconds. The two models set the benchmark for sporty performance within their vehicle segment.

With its battery capacity increased to 42.2kWh, the latest version of the BMW i3 follows the brand's holistic concept; a responsible use of resources including not only locally emissions-free power but also material selection, production techniques and available mobility services. The BMW i3 120Ah and the BMW i3s 120Ah have a much more favorable CO2 footprint across the entire vehicle lifecycle – from raw material extraction and manufacture through to use and recycling – and this makes for significantly lower global warming potential than is the case with comparable, conventionally powered automobiles.

Design and Interior: great sense of roominess, sustainable materials.

The interior styling of the new BMW i3 and BMW i3s is rooted in the LifeDrive vehicle architecture. The carbon fiber-reinforced plastic (CFRP) passenger cell has a wonderfully spacious feel about it and is dominated by a sense of lightness. The design principle of the two four-seater models means there is no need for either fixed B-pillars or a transmission tunnel. Doors that open in opposite directions allow the occupants to get in and out with the greatest of ease.

New for 2019 exterior color choices is Jucaro Beige Metallic w/ Frozen Grey accents which replaces the outgoing Protonic Blue Metallic w/Frozen Grey accent.

Interior trim changes include Mega World now offering Electronic Brown Trim and Mega Carum Spice Grey SensaTec with Brown Cloth highlights. Tera World now includes higher quality Tera Dark Truffle Vernasca Leather. The BMW i3 and BMW i3s apply the concept of sustainability throughout, as other materials used are recycled plastics, renewable raw materials, natural fibers and open-pored, unbleached eucalyptus wood. Over 80 percent of the surfaces visible to the passengers are made from recycled materials or renewable resources. The available seat belts in BMW i Blue for the BMW i3s provide a splash of color in the interior.

Connectivity and Driver Assistance Systems.

BMW Connected bolsters the link between the i3 and the digital experience. Remote Services allow you to check if your windows are closed and doors are locked. You can also precondition the climate of the i3 for a comfortable temperature before your departure as well as warming the battery under certain conditions. On the eDrive tab, one can browse through various efficiency statistics, monitor your electrical consumption, energy recuperation statistics and observe your efficiency.

The driver assistance systems available for the 2019 BMW i3 and BMW i3s ease the driver's workload and provide support in various traffic situations, as well as helping with longitudinal and lateral vehicle control. The optional Technology and Driving Assistance Package includes LED headlights with cornering lights, Active Driving Assistant, Active Cruise Control with Stop & Go, Daytime Pedestrian Protection, Frontal Collision Warning with City Collision Mitigation, and Advanced Real-Time Traffic Information. ConnectedDrive Services and front/rear Park Distance Control are now standard equipment. Parking Assistance is a standalone options for

the i3 (not available on the i3s). Once activated, Parking Assistance scans for suitable parking spaces and at the press of a button takes control of acceleration, braking, gear selection and steering to perfectly park your i3.

Specifications

2019 BMW i3 120Ah

		i3	i3 REX	i3s	i3s REX
Seats	--	5	5	5	5
Number of Doors	--	5	5	5	5
Drive type	--	RWD	RWD	RWD	RWD
Length	inches	158.3	158.3	158.1	158.1
Width	inches	69.9	69.9	70.5	70.5
Height	inches	62.9	62.9	62.6	62.6
Width including mirrors	inches	80.3	80.3	80.3	80.3
Wheelbase	inches	101.2	101.2	101.2	101.2
Ground clearance	inches	5.5	5.5	5.2	5.2
Turning radius	feet	16.2	16.2	16.9	16.9
Shoulder width front	inches	53.6	53.6	53.6	53.6
Shoulder room rear	inches	49.2	49.2	49.2	49.2
Legroom front	inches	40.5	40.5	40.5	40.5
Legroom rear	inches	31.9	31.9	31.9	31.9
Headroom front	inches	39.6	39.6	39.6	39.6
Headroom rear	inches	37.2	37.2	37.2	37.2
Cargo volume (SAE)	ft ³	15.1 – 36.9	15.1 - 36.9	15.1 – 36.9	15.1 – 36.9
Fuel Tank capacity	gallons	--	2.3	--	2.3
Curb weight	lbs.	2,965	3,269	3,034	3,302
Gross vehicle weight	lbs.	3,907	3,960	3,907	3,960
Payload	lbs.	814	627	814	627
Electrical Machine motor type		Traction	Traction	Traction	Traction
Engine		IB1	IB1	IB1	IB1
Engine configuration		synchro	synchro	synchro	synchro
Peak Power	hp	170	170	181	181
Maximum torque	lb-ft.	184	184	199	199
Gasoline generator type	--	--	W20	--	W20
Cylinders	--	--	2	--	2
Valves per cylinder	--	--	4	--	4
Stroke	mm	--	79	--	79
Bore	mm	--	66	--	66
Displacement	cm ³	--	647	--	647

Compression rate	:1	--	10.6	--	10.6
Engine power	hp	--	38	--	38
at rpm	1/min	--	5,000	--	5,000
Engine torque	Lb-ft.	--	41	--	41
at rpm	1/min	--	4,500	--	4,500
Fuel type	--	--	Gasoline	--	Gasoline
Recommended Fuel	--	--	Regular	--	Regular
Engine oil capacity	quarts	--	2.7	--	2.7
Transmission type	--	GE1B	GE1B	GE1B	GE1B
Transmission type	--	Auto	Auto	Auto	Auto
Gear ratio 1st gear	--	9.655	9.655	9.655	9.655
Battery capacity (low voltage)	Ah	20	20	20	20
System voltage (low voltage)	V	12	12	12	12
Battery capacity (high voltage)	Ah	120	120	120	120
System voltage (high voltage)	V	352	352	352	352
Battery type, high voltage		Li-Ion	Li-Ion	Li-Ion	Li-Ion
Gross battery content, high voltage	kWh	42.2	42.2	42.2	42.2
Net battery content, high voltage	kWh	37.9	37.9	37.9	37.9
Charging Level 1 AC	kW	7.4	7.4	7.4	7.4
Charging Level 2 AC	kW	50	50	50	50
DC Charging Combo	kW	50	50	50	50
Charging time Level 2 (0-80%)	hrs	4.9	4.9	4.9	4.9
Charging time Level 2 (0-100%)	hrs	6.5	6.5	6.5	6.5
Charging time DC (0-80%)	hrs	0.7	0.7	0.7	0.7
Charging time DC (0-100%)	hrs	1.4	1.4	1.4	1.4
Steering ratio	:1	14	14	14	14
Recuperation power	kW	up to 50	up to 50	up to 50	up to 50
Tires 19" standard front	--	155/70R19	155/70R19	--	--
Tires 19" standard rear	--	155/70R19	175/60R19	--	--
Wheels 19" front & rear	inches	5J x 19	5 / 5.5 x 19		
Tires 20" standard front		--	--	175/55R20	175/55R20
Tires 20" standard rear		--	--	195/50R20	195/50R20
Wheels 20" front	inches	--	--	5.5J x 20	5.5J x 20
Wheels 20" rear	inches	--	--	6.0J x 20	6.0J x 20
Track, front	inches	61.9	61.9	62.7	62.7
Rear, track	inches	62.0	61.3	62.1	62.1
Cx	--	0.29	0.30	0.30	0.31

0-60 mph	seconds	7.2	8.0	6.8	7.6
Top speed	mph	93	93	99	99
Electric range, up to	miles	153	153	153	153
Range extender range, up to	miles	--	tba	--	tba

BMW Group In America

BMW of North America, LLC has been present in the United States since 1975. Rolls-Royce Motor Cars NA, LLC began distributing vehicles in 2003. The BMW Group in the United States has grown to include marketing, sales, and financial service organizations for the BMW brand of motor vehicles, including motorcycles, the MINI brand, and Rolls-Royce Motor Cars; Designworks, a strategic design consultancy based in California; technology offices in Silicon Valley and Chicago, and various other operations throughout the country. BMW Manufacturing Co., LLC in South Carolina is the BMW Group global center of competence for BMW X models and manufactures the X3, X4, X5, and X6 Sports Activity Vehicles. The BMW Group sales organization is represented in the U.S. through networks of 346 BMW passenger car and BMW Sports Activity Vehicle centers, 153 BMW motorcycle retailers, 127 MINI passenger car dealers, and 36 Rolls-Royce Motor Car dealers. BMW (US) Holding Corp., the BMW Group's sales headquarters for North America, is located in Woodcliff Lake, New Jersey.

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