

iON ST AS
iON ST AS **SUV**

Maximize your EV's range with iON

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ION

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Specifications

ION STAS *ION* STAS SUV

Technical Profile

Tread width

205-235

Series

45-65

Inch

16-19

Speed symbol

H, V, W

Applied Technology & Tire Performance



Mileage



Low rolling
resistance



Low noise



The iON Family

iON *i*cept
iON *i*cept **SUV**
WINTER STUDLESS

iON *ST* *AS*
iON *ST* *AS* **SUV**
ALL-SEASON

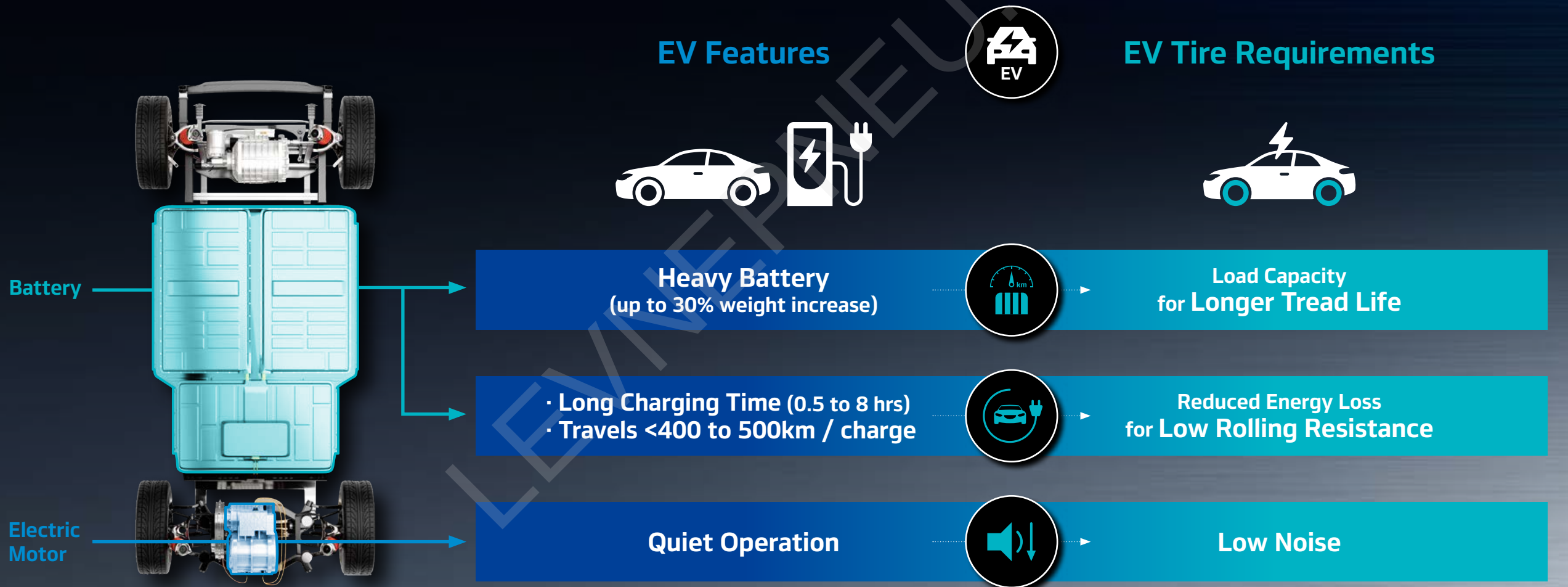
iON *evo* *AS*
iON *evo* *AS* **SUV**
ALL-SEASON

iON *evo*
iON *evo* **SUV**
SUMMER



							SUV	
								
			Compact Car	Sedan	Sport Sedan	Sport & High	Compact SUV	Large & High SUV
All Season	Summer							
	Performance							
	Touring							
Winter	Non-Stud	Alpin						

Electric vehicles are fundamentally different from internal combustion engine vehicles and the tyre requirements are different too



Double the Advantage

Thanks to Hankook's iON INNOVATIVE TECHNOLOGY, the iON ST AS (and SUV) has pushed the limits to bridge the gaps between grip performance and noise / tread wear.

UNCOMPROMISED PERFORMANCE



Mileage

Low Noise / LRR



***Go Further for
More Experience***

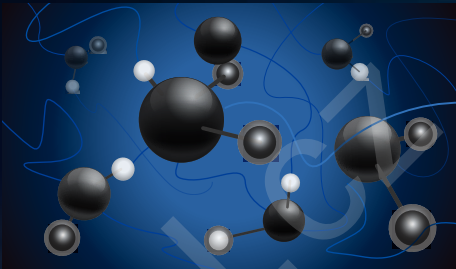
***Drive in
Peace***

***Comfortable to
Drive in***

Go Further for More Experience

i SuperMileage Technology & i ExtremeLight Technology

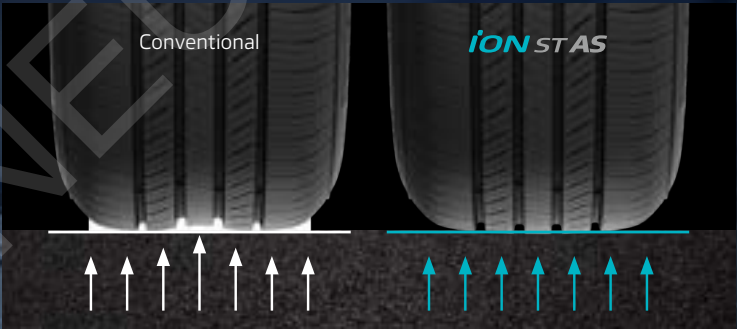
Battery weight makes electric vehicles up to 30% heavier than ICE vehicles, which frequently causes uneven wear on tires. The iON ST AS (and SUV) is made of a compound specifically made for electric vehicles to evenly spread road pressure and extend tire life in a healthier condition.



Extended Tread Life

ProDurable Compound

Composed with eco-friendly & flexibility materials, the Enduring Compound provides satisfactory mileage for Electric Vehicle.



Even Tread Wear

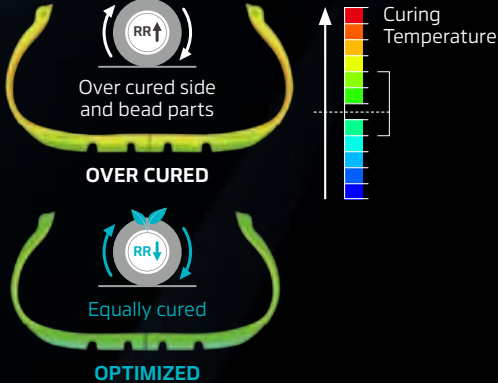
Round Even Technology

Tires equipped on electric vehicles wear out approximately 20% faster with uneven wear than on ICE vehicles. Designed to spread the ground pressure evenly, the iON ST AS (and SUV) provides longer usage and less replacement.

Extended Range

Opti Cure Technology

Thanks to Hankook's advanced compound and optimized curing technology, the rolling resistance is reduced to drive a long distance with a longer-lasting battery.



Drive in Peace

i SoundAbsorber Technology

Electric motors are almost soundless which eventually causes the driver to hear more noise from tires. With the i Sound Absorber™, the iON ST AS (and SUV) offers a quiet and pleasant ride in all speed ranges.



Reducing Noise by Pattern Technology 1dB

It offers improved Noise Performance by 1dB.

Minimized Shoulder Lateral Groove

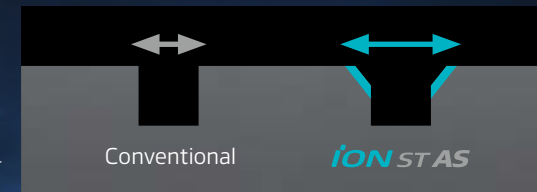
The lateral groove structure that bends and gets wider towards the shoulder cause the lateral groove to contact the ground gradually, which reduces the air pumping noise.

Opti Pitch Technology & Optimized block angle simulation



Optimized pitch arrangement technology to improve EV Noise performance. Designed the optimal block angle that can improve Noise performance by maintaining rigidity through HK Noise Simulation and Rigidity Analysis.

Block Edge Chamfer



Block Edge Chamfer is applied to minimize the impact with the road surface to improve noise performance.

Pattern Noise Test result



The iON ST AS offers a Quiet & Pleasant Ride in all speed ranges.



— Smart PT Mileage

— **iON ST AS**

· Test Condition: 2.5kgf/cā, 440kgf

· Test Rim: 6.5x16

· Test Place: Hankook R&D Center (Korea)

Comfortable to Drive in

Smoother Ride Comfort without Impact

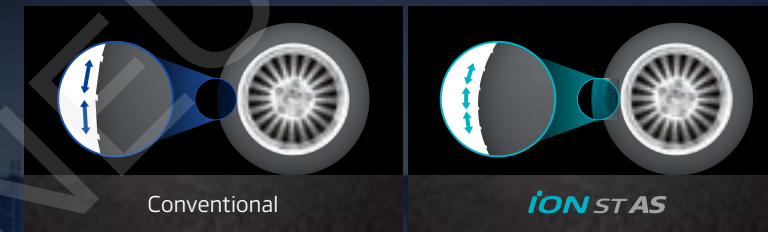
Considering electric vehicles are up to 30% heavier than conventional ICE vehicles, the iON ST AS (and iON ST AS SUV) is applied with optimized multi-pitch sequencing and vibration control technology that provides more comfortable driving condition on road.



Smoother Ride Comfort

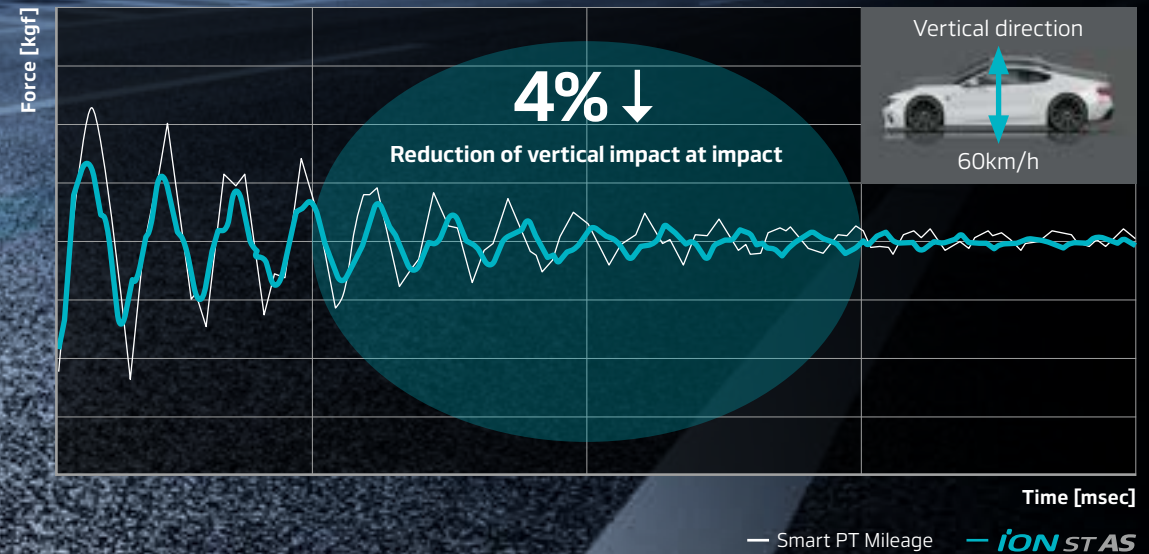
Optimized Multi-Pitch Sequencing

Optimized Multi-Pitch Sequencing provides more comfortable driving.



Vibration Control Technology

Designed to absorb and reduce vertical impact shock when driving on road surfaces to provide a smooth, composed ride. contact the ground gradually, which reduces the air pumping noise.



· Test Condition:
2.5kgf/cm², 440kgf
· Test Rim:
6.5x16
· Test Place:
Hankook R&D Center
(Korea)

Available Sizes

ION STAS

Inch	Series	Size	Speed Grade	Load Index
18	45	235/45R18	V	XL
	50	235/50R18	V	
17	50	205/50R17	V	XL
		215/50R17	W	
		225/50R17	V	XL
	55	215/55R17	V	
		225/55R17	V	
16	55	205/55R16	V	XL
	60	205/60R16	H	

ION STAS SUV

Inch	Series	Size	Speed Grade	Load Index
19	55	235/55R19	V	XL
18	55	225/55R18	V	XL
		235/55R18	V	
	60	225/60R18	W	XL
		235/60R18	V	
17	60	215/60R17	V	
	65	225/65R17	V	XL



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