

FOR TECHNOLOGY, QUALITY & VALUE
START WITH HANSAE MOBILITY

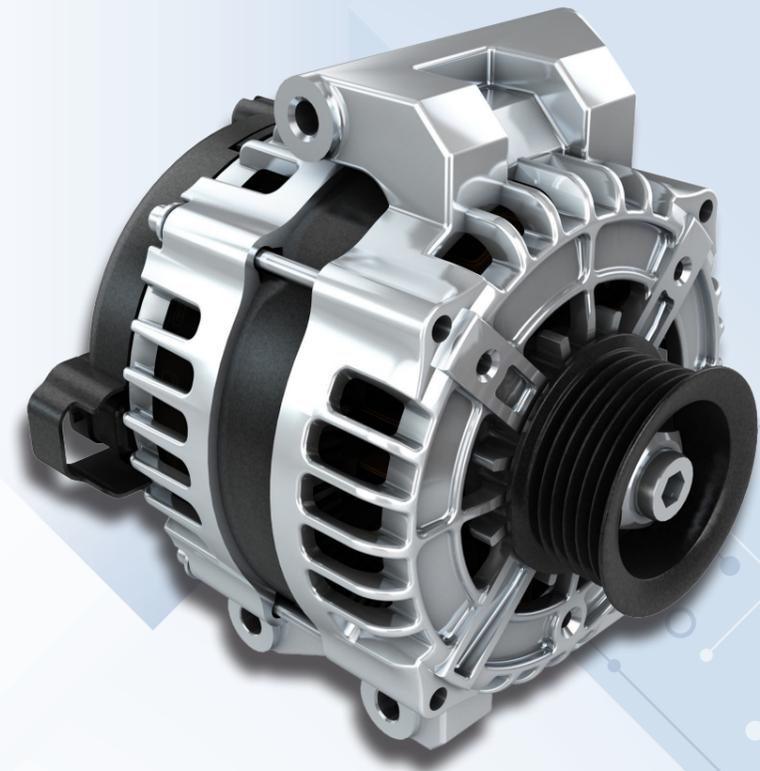


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Alternator



e-book Brochure



NP Series

UQ Series



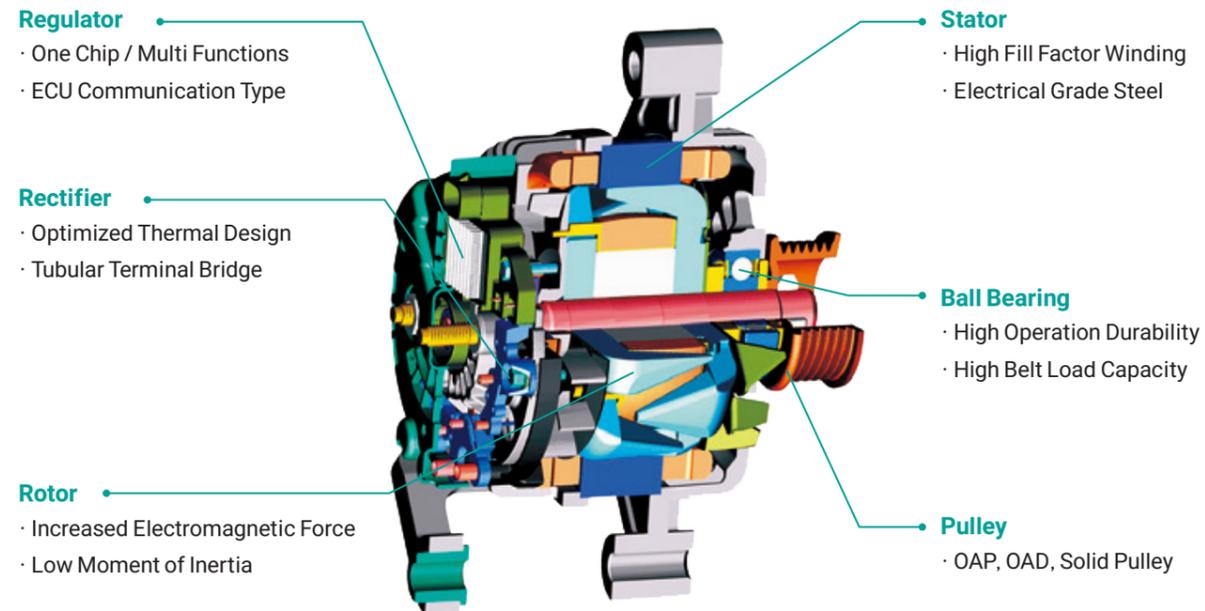
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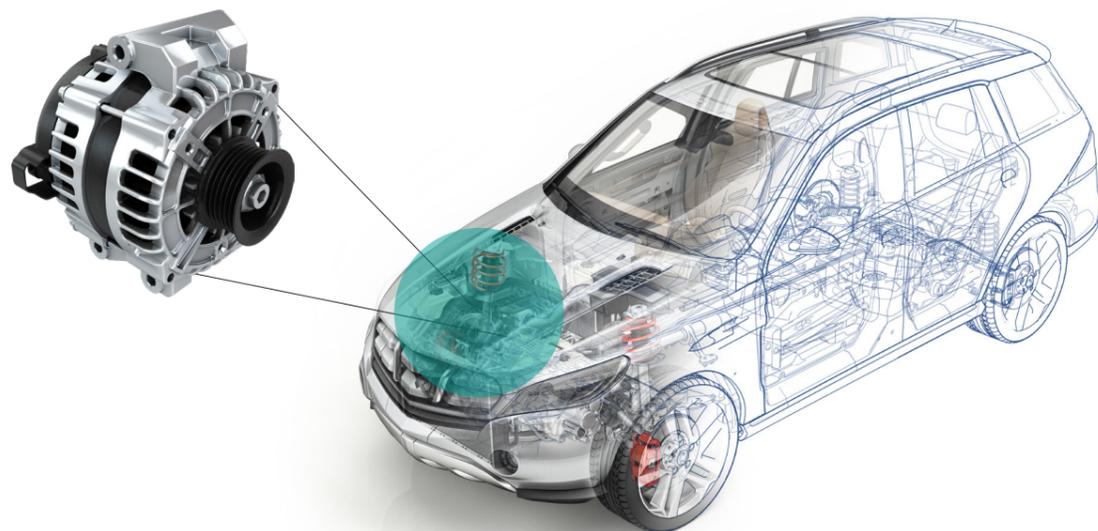
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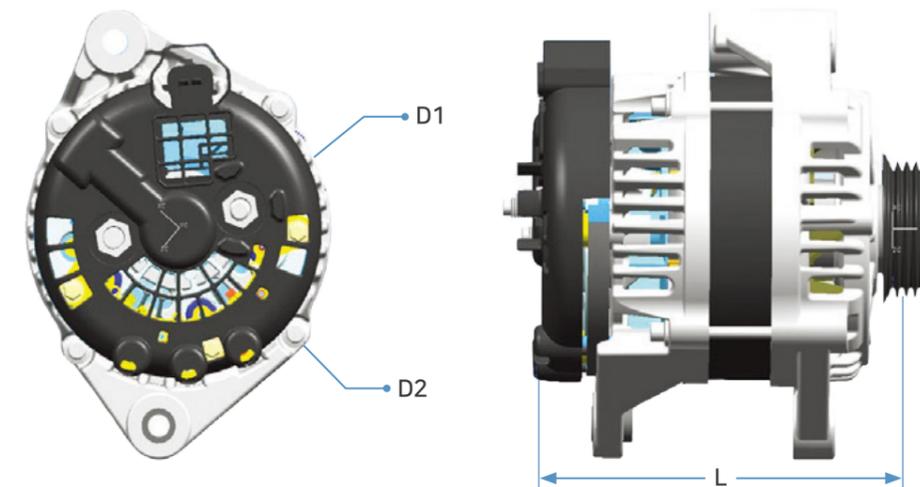
Features

- Increased efficiency
- 150,000 miles durability at high temperature, 125°C
- System integration (ECU communication)
- Light weight and compact size
- Reduced magnetic and mechanical noise
- Packaging flexibility



Regulator Types Available

- Conventional Type : Fixed Setting Voltage
- ECU (Electronic Control Unit) Communication Type
 - Setting voltage controlled by PWM signal (RVC, C-terminal, etc)
 - Setting voltage controlled by LIN protocol
- Specification



Model	NP Series		UQ Series										
	NP10	NP14	NP10Q	NP13Q	NP16Q	NP18Q	QH10	QH13	QH16	QH18	QH13S	QH16S	QH18S
Performance (Amp @1,800/6,500rpm @14V, 25°C)	50 /100	75 /140	60 /130	75 /150	80 /160	90 /180	65 /130	80 /150	85 /160	95 /180	80 /150	85 /160	95 /180
Temperature Capability (°C)	125		125				125				125		
Package (mm)	D1	126	142	130	136	136	136	130	136	136	136	136	136
	D2	144	156	144	146	146	146	144	146	146	146	146	146
	L	132	140	132	130	130	132	132	130	130	132	130	132
Rotor Inertia (kg-cm ²)	15	32	20	26	26	28	21	26	26	28	26	26	28
VDA Efficiency (%)	66		72				77				80		
Typical Mass (kg)	5.2	6.2	5.5	5.8	5.8	6.0	5.5	5.8	5.8	6.0	5.8	5.8	6.0
Noise (dB)	Standard		Ultra Quiet (Stator : 6 Phase & Bar wire)										
Speed Capability (rpm) (Continuous / Intermittent)	18,000 / 21,000												

※ Note : VDA Efficiency = [0.25*N(1800)] + [0.40*N(3000)] + [0.25*N(6000)] + [0.1*N(10000)] where N(1800), N(3000), N(6000), N(10000) are alternator efficiency values obtained at each of alternator rpm at 25°C when supplying 50% of rated current at 6000rpm