



Tuflong

HG-IS PLUS

A high charge-acceptance, high-durability battery specially designed for delivery vehicles and commercial ISS vehicles that undergo frequent engine stops and starts.



Pioneering in the industry, by adopting the proven HPL structure and high-density active material, and incorporating Instant Charge^{*1}, we have achieved the high charge acceptance and durability required for delivery vehicles and commercial ISS vehicles. This product meets the demands of delivery and commercial ISS vehicles used in harsh environments with frequent engine stops and starts.

ISS / delivery vehicles /
business vehicles:
18 months or 60,000 km warranty^{*2}

Commercial vehicles (excluding
delivery and ISS vehicles):
24 months or 70,000 km warranty^{*2}

Agricultural machinery / construction equipment /
industrial vehicles / snowplows:
6 months or 10,000 km warranty^{*2}

Marine vessels:
18 months warranty^{*2}

Taxis / hire cars:
12 months or
30,000 km warranty^{*2}

Improved durability due to
adoption of high-density
active material

Instant Charge^{*1}
adopted

Adoption of high-density
active material
Improved durability

Uses high-performance
electrode plates

Robust grid structure
adopted (D size / E size)

Low-resistance separator^{*3}
adopted

HPL structure adopted

What is the secret behind the "performance improvement" ??

The Tuflong HG-IS PLUS adopts Instant Charge^{*1}, a technology proven in passenger car batteries. It also employs a low-resistance separator^{*3} that reduces resistance during charge acceptance (patent pending). This enables large amounts of charge in a short time, achieving a significant improvement in charge acceptance compared to the HG series. Furthermore, durability has been enhanced through the adoption of high-density active material.

^{*1} A technology that increases surface area by finely dispersing the discharged particles (PbSO₄) of the negative active material, enabling efficient transfer of electricity to the active material. (Adopted in our D26/D31/E41)

^{*2} Warranty terms vary depending on vehicle model/use. Please check the instruction manual for details.

^{*3} Adopted for D size, G size, and H size.

Model List (Specification Table)

Series Name	Model Name	Nominal voltage (V)	5HR-rate Capacity (approx. Ah)	External Dimensions (approx.mm)				Filled Weight (approx. kg)	Interchangeable Models*
				Total height	Case height	Width	Length		
HG-IS PLUS	HSG80D23R9B	12	52	225	204	173	232	16.5	55D23R, 60D23R, 65D23R, 70D23R, 75D23R, 80D23R
	HSG80D23L9B	12							55D23L, 60D23L, 65D23L, 70D23L, 75D23L, 80D23L
	HSG90D26R9B	12	55	225	204	173	260	19.0	55D26R, 65D26R, 75D26R, 80D26R, 85D26R, 90D26R
	HSG90D26L9B	12							55D26L, 65D26L, 75D26L, 80D26L, 85D26L, 90D26L
	HSG105D31R9B	12	64	225	204	173	306	22.0	75D31R, 85D31R, 95D31R, 100D31R, 105D31R
	HSG105D31L9B	12							75D31L, 85D31L, 95D31L, 100D31L, 105D31L
	HSG130E41R9B	12	92	234	213	176	410	28.5	95E41R, 100E41R, 105E41R, 110E41R, 115E41R, 120E41R, 130E41R
	HSG130E41L9B	12							95E41L, 100E41L, 105E41L, 110E41L, 115E41L, 120E41L, 130E41L
	HSG205G519B	12	144	257	213	222	508	45.5	145G51, 155G51, 165G51, 180G51, 195G51, 205G51
	HSG225H529B	12	176	270	220	278	521	62.5	190H52, 210H52, 225H52

*Please verify with the battery installed in the vehicle or the compatibility chart.**.
**It is currently available only in Japanese. Please ask your sales store for further details.

Handling Precautions Please be sure to read the instruction manual before use.

 Danger

- Do not use or store in locations with open flames or confined spaces. Hydrogen gas is emitted from the battery and may cause ignition or explosion.
- Do not use 12V batteries for auxiliary equipment other than engine starting. This may cause ignition or explosion.
- Do not use or charge the battery when the electrolyte level is below the LOWER LEVEL (minimum level). This accelerates internal deterioration of the battery and may shorten its service life. It can cause rupture (explosion). It may also produce hydrogen sulfide, a toxic gas, which can be fatal.

 Caution

- When replacing the battery, confirm whether it is compatible with the vehicle by checking the battery installed in the vehicle or the compatibility chart.
- When selecting a charger, use a charger suitable for the battery specifications. Using an incorrect charger may cause overheating or rupture.
- Do not leave used batteries unattended; consult your dealer for disposal.

- The contents of this catalog are as of October 2025. Product specifications and appearance are subject to change without notice.
- The product characteristics described in this catalog are based on tests conducted by our company and are not guaranteed.
- We do not guarantee that the use of this product or tests/investigations using this product will not infringe third-party industrial property rights.
- Product model designations follow JIS conventions as an industry practice, but do not guarantee compliance with JIS performance standards.



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Dealer: