

# Hella highlights xenon headlamp safety tests

Research by German lighting giant Hella has highlighted the growing safety benefits of xenon lighting and revealed the potential value of integrated glare protection. **REPORTED FROM OUR ROAD TEST**

**WHEN** you're driving at night in a city, you're usually in control of the road. You know where you're going. You know what you're doing. You know what you're seeing. The road is yours. But when you're driving at night on a road that's not yours, you're not in control. You're not seeing. You're not doing. You're not seeing. You're not doing. You're not seeing. You're not doing.

**How xenon lighting works**  
Xenon lighting works by using a high-pressure xenon gas discharge lamp. The gas is contained in a tube that is surrounded by a glass envelope. When the lamp is switched on, the gas is ionized and produces a bright white light. Xenon lighting is more energy efficient than halogen lighting and has a longer life span.

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**Source:** Hella



The picture above the one below shows that xenon headlights have a wider beam pattern.



# WIN!

**BATTERY** charging specialist GYS is giving away its flagship Inverter 70:24 worth more than £590. All you have to do for a chance of winning is answer two easy questions

**GYS** is a French manufacturer of premium battery chargers, starters and boosters – and a major manufacturer of welding machines. Although very established across Europe, the company has only recently started selling in the UK. "The most likely reason you will want this product is for its capability to support diagnostic work on vehicles," explains Neil Pulsford, commercial director of GYS UK. "While carrying out extended key-on/engine-off diagnostic work, it's vital to maintain a constant power supply and often there can be too high a dependence on the battery for this. Failure to support the battery will cause the diagnostic procedure to fail and can cause damage to vehicle systems." According to GYS, the Inverter 70:24 solves this problem by providing whatever current is demanded by the vehicle throughout your diagnostic work – up to a total of 70 amps.

**Super SMPS features**

The Inverter 70:24 offers other additional features. It works as a hi-spec battery charger with a multi-stage IUOU charging curve. Its Switch Mode Power Supply (SMPS) ensures a maximum charge for the battery "and in significantly less time than a conventional transformer charger," says Neil. "The Inverter also works as support to the vehicle during battery changes ensuring that no memory data is lost. There's also a powerful battery de-sulphation tool to enable you to recover or extend the life of the battery." The GYS Inverter 70:24 works with 6V, 12V and 24V batteries and will run on any voltage from 110 to 240V.

To be in with a chance of winning a GYS Inverter 70:24 worth more than £590, simply answer the following two questions:

01. What do the initials SMPS stand for?
02. Name any one of the final 12 competitors in the 2010 Top Tech contest (see page 14 for a clue).

**HOW TO ENTER**

For a chance to get your hands on this great prize from GYS, simply answer the two easy questions. After that, choose how you want to send in your entry.

Please note, the competition questions on the website may be different to the ones printed here. Correct answers to either set are acceptable.

**ONLINE**

The quickest and easiest way to enter is to log on to our website and fill in your answers and contact details on our online competition form. Simply go to: [www.aftermarketnetwork.com/competition](http://www.aftermarketnetwork.com/competition).

**BY POST**

If you prefer the traditional method, then drop your answers and full contact details onto a postcard and send them to: GYS competition, Rainham, 14 London Road, Rainham, Kent, ME8 6YX.

All postal and online entries must arrive before Friday 26th March.

Please note, the competition questions on the website may be different to the ones printed here. Correct answers to either set are acceptable. No cash alternative prizes will be offered. The editor's decision is final.