



Environment-friendly – low maintenance



Fachbetrieb und Mitglied im  
Verein für Verkehrstechnik  
und Verkehrssicherung e.V.



## Self-sufficient with PB solar technology

The new solar technology by Peter Berghaus means that mobile road safety products, such as our LED advance warning lights, can now be completely self-sufficient.

Solar and battery technology geared especially to continuous operation, in combination with the extremely low power requirement of our LED technology, provides a lasting, reliable power supply. Up to now, the batteries weighing up to 50 kg each had to be changed every week, usually entailing the dangerous procedure of crossing the lanes of motorways in the face of on-coming traffic; at long last, this will no longer be necessary. Hard cash can be saved with the solar panel in next-to-no time, simply from the considerably reduced service workload.

The top quality solar module, developed specially for remote applications in signal systems, provides a maximum output of about **95 watt** as the reliable supply for mobile road safety products, and also recharges handy 12 volt batteries. This warrants uninterrupted continuous operation even at night or during a period of bad weather. The laminate of the solar module is enclosed in a robust aluminium frame. It turns through 360° on its bracket for ideal alignment towards the sun. The cells are embedded between a hardened glass cover and EVA casting compound and sealed with PET film on the back for protection against the toughest climatic conditions.

The top quality water-proof solar charge controller with clear multi-coloured LED display offers reliable battery charging, naturally also with protection from overcharge and total discharge. It is therefore now possible to use handy 12 volt rechargeable batteries for long, practically maintenance-free operating periods.

Whether the solar option is used for mobile traffic light systems using LED technology at great distances from the power grid, or for LED advance warning lights on the motorway, particularly when these are positioned on the inaccessible central reservation, **the new solar technology is a reliable alternative to the weekly task of changing batteries in installations on roads and motorways!**

The solar module which rotates through 360° is positioned right up on top of the 60x60 mm mast.

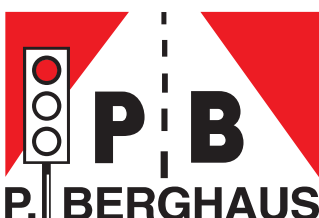
Thanks to the special solar charge technology, together with the mean power consumption of the LED advance warning light of only 300 mA, this warrants practically maintenance-free continuous operation.



LED advance warning light 12 volt  
60x60 mm holder for adv. warning light  
Solar panel with 60x60 mm holder  
Charge controller unit (waterproof)

Order No.: W 5305L  
Order No.: EP 6075  
Order No.: PB 4851  
Order No.: PB 4860

The holder of the advance warning light has an open design that can be fitted to the 60x60 mm mast at any time and aligned exactly to the flow of traffic.



# Peter Berghaus GmbH

Traffic Technology • Mobile crash barriers

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