20. September 2022

# TELEMATICS UNIT WITH SOLAR POWER: AUTONOMOUS AND MAINTENANCE-FREE

**Krone Smart Collect Solar**

The Krone Smart Collect Solar (KSC Solar) telematics and diagnostics unit is the practical response to the demand for a mobile, autonomous and completely maintenance-free option for the precise positioning of vehicles and mobile units. The compact KSC Solar offers tracking via GPS for all vehicles and units that are not equipped with a permanent power supply to operate a telematics box. The solar module integrated into the housing is used to generate power, which supplies the internally installed battery. This charging process is supported by a supercapacitor, which also operates reliably at both very low and very high temperatures.
(-20°C to +60°C).

The KSC Solar transmits the generated data to the respective customised Krone Telematics portal. Since not only the vehicles, but also transport companies and dispatchers are constantly on the move, Krone also provides this data for mobile use via the Telematics App.

The data normally has to be integrated into additional systems, be it a transport management system (TMS), a forwarding software or an expense module integrated into the accounting software. To make sure that nothing prevents the information from being bundled in one place and made available to end customers, the Krone Telematics Portal users can administer the data run autonomously via drag & drop using the Krone Push API. The Krone Telematics team is always available to provide customised solutions to meet the requirements of more complex individual solutions.

**KSC Solar: the new standard for swap systems**

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Krone Smart Collect Solar can be used in a wide range of applications, wherever a self-sufficient and reliable GPS system is required. In particular, swap systems are typically in transit for days on motorways and the rail network before they reach their destination. The system also uses different vehicles for transporting swap bodies. The KCS Solar can then precisely track these vehicles. The swap body no longer needs to be manually assigned to the vehicle currently operated, since the system is permanently mounted on the superstructure and the location is always kept up to date and can be reliably tracked – no matter what additional systems are used. This speeds up dispatching swap bodies and avoids unnecessary downtime. As a result, swap bodies are no longer overlooked.

The KSC Solar is very easy to install and can be fitted on site in the vehicle fleets. The compact box (230 mm x 130 mm x 21 mm) is secured with just four screws or four rivets. Its size and design make it ideal for mounting within the existing beading on the roof of Krone swap boxes. This ensures reliable protection, even from hanging branches. The low overall height makes it easy to mount on the front wall of swap bodies and trailers. The KSC solar will be offered factory-installed for new swap bodies and as a ready-to-install retrofit kit.

**Visit us at the Krone trade fair stand!**

IAA Transportation 2022 | 20/09/2022 –25/09/2022 |

Hanover Fair | Hall 27 | Stand C40 | outdoor area N41, Q41, P43

**If you have any questions, please do not hesitate to contact me.:**
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