

### ■ Solid II

“Solid II” is the device for very demanding telematics solutions with a sturdy housing and a versatile hardware. The Solid II was developed especially for the outdoor usage in order to meet very rough environmental and operating conditions as well as long operating times. Solid II is suitable for all kinds of mobile objects as well as numerous M2M applications. Thanks to its intelligent energy management, information about position and motion or operating periods are accessible for months and years without any servicing. The integrated microprocessor and broad sensor technology ensure logical connection and recording of various parameters including corresponding alarm signals.

#### Unique Combination

- Small shape in unobtrusive design
- Extremely long operating time without external energy supply
- Very solid construction (IP68, waterproof)
- Rechargeable device, very long service life

#### Solid II – The Telematic Allrounder

- Solid
- Reliable
- Versatile
- Long-lasting
- Maintenance-free

#### Especially suitable for

- Trailer und swap bodies
- Construction machinery and equipment
- Agricultural machinery
- Containers of all kinds
- Private and company cars
- Box cars
- Premium shipments
- Monitoring of all kinds of movables

#### Your Advantages

- Increased transparency through automated registration of position and motion data plus operating times
- Reduced time investment through simple, precise and fast scheduling
- Free cash resources through efficient disposition of movable devices
- More security through automatic alarm signal function in case of theft
- More innovation through state-of-the-art management of movables
- Higher customer satisfaction by faster communication and information with more value
- Greater customer loyalty through the opportunity to offer additional services



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#### Technical Data

##### GPS-Receiver

- 56 channels Ublox 7 engine - multi-GNSS (GPS/QZSS, GLONASS)
- Fast Time-To-First-Fix with AssistNow (online, offline, autonomous)
- embedded GPS antenna
- GPS acquisition rate: hot start (open sky): <1 s, hot start: ca. 5 s, cold start: ca. 35 s
- GPS-Tracking up to 10 Hz

##### GSM-Modul

- Quad-Band GSM / GPRS-module
- SMS, E-Mail, Call, TCPIP, FTP, GPRS up to 85.6kbit/s upload
- Firmware update over the air (FOTA)
- Embedded quad band GSM antenna

##### Accelerating Sensor (ACC)

- 3-axis, 16 bit, high sensitivity
- Motion and shock detection
- Definable threshold and sampling rate

##### Battery

- Lithium iron phosphate battery (LiFePO<sub>4</sub>) for high temperature range
- 3.2V / 6000mAh
- Rechargeable (including accessories kit)

##### Housing Features

- Material: polyamide
- Measurements: 135mm/69mm/36mm
- Level of protection: IP68 (IP69k)  
Mounting options: via magnet, screwing or gluing together

##### Range of Temperature

- Operating mode: from -25°C up to 60°C
- Charging mode: from -25°C up to 45°C

##### Memory

- 16MB flash to save up to 100,000 data records and offline tracking
- 32kb EEPROM to save configuration parameters and up to 128 geo-fences

##### Examples for Battery Runtime

Expected battery life depends on daily number of position signals

- 1 signal per day: 24 months
- 2 signals per day: 15 months
- 4 signals per day: 9 months
- 8 signals per day: 5 months

##### Weight

- 500 g

