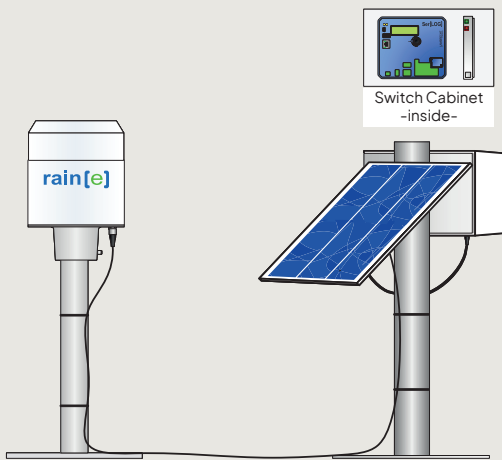
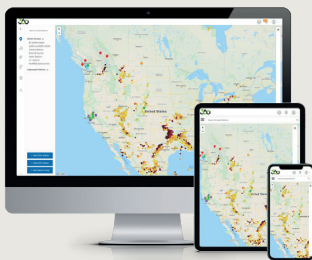


# Ascend Precipitation Station - Solar



Software FTS360,  
the complete  
solution for your  
network (optional)



## Self-contained automated solar weather station

### Precipitation sensor rain[e]LP

The Ascend Precipitation Station - Solar captures and processes precipitation data in any area, no matter how remote, without a power supply. Precipitation amount and intensity are precisely measured by the rain[e]LP. Due to its extremely low power consumption, this weighing precipitation sensor is ideal for long-term use at solar-powered and battery-powered measuring stations.

### Data logger Ser[LOG]

Ser[LOG] is a scalable communication platform for professional meteorological data acquisition and processing. Ser[LOG] gathers your precipitation data in one place and visualizes it in real time.

### Software FTS360 (optional)

FTS360 is a GDPR-compliant and reliable cloud-based IoT platform for users who want to set up, configure, and manage their own platform. Users can view and process sensor and station data, camera images, and videos.

## POSSIBLE APPLICATIONS

- Agriculture and forestry
- Flood warning
- Public safety and storm response
- Meteorological and hydrological applications



The sensitive weighing measuring principle of the rain[e]LP enables the measurement of each individual drop of precipitation with the resolution of 0.001 mm/m².



Ser[LOG] provides data acquisition and processing with minimal effort and great flexibility.



The edge-to-cloud data security of the FTS360 software protects your data and privacy. No personal user data is collected.

# Improving risk management with local weather monitoring

Understanding the amount and intensity of precipitation is key to the success of any community, particularly when it comes to agriculture, conservation, and public safety. Severe weather with heavy rain or snow can lead to flooding and destroy environmental systems. Likewise, lack of precipitation can lead to disasters such as droughts and crop failures.

Governmental, commercial, and private organizations need accurate precipitation information to enable critical planning decisions. With the self-contained, solar-powered Ascend Precipitation Station - Solar, organizations can prepare better for severe weather events and improve time-critical decisions using real-time local precipitation data.

## The Ascend Precipitation Station - Solar overview:

ID 30.00851.500002

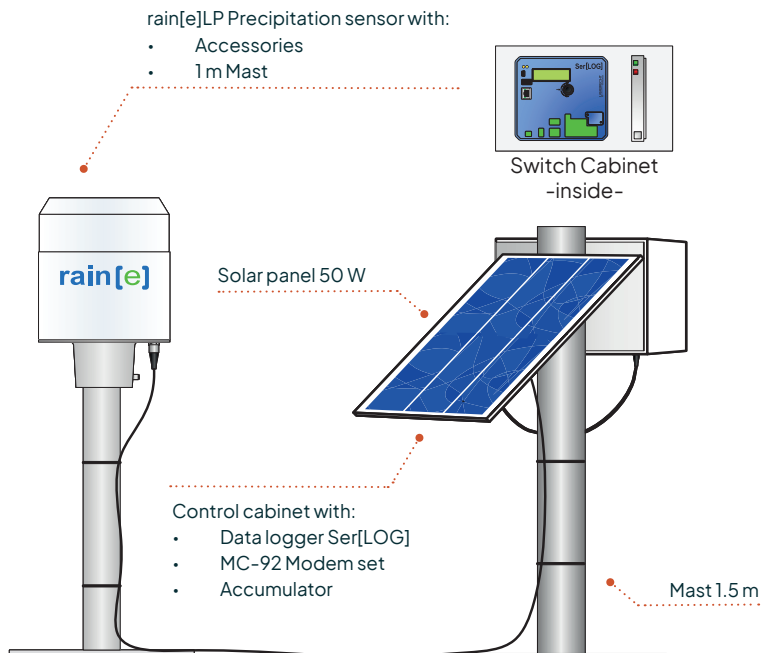


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## Key Features

### rain[e]LP Precipitation Sensor

- Highest resolution combined with a very compact, weatherproof all-metal housing
- Minimum power consumption: typically 6.9 mA with 12 V supply
- Particularly environmentally friendly (no antifreeze)

### Ser[LOG] Data Logger

- Alarm system for 10 warning channels using built-in and external relays (e-mail, SMS)
- Stores data reliably for one year in ring buffer
- User-friendly with free access to all connections and controls

### FTS360 Software (optional)

- GDPR-compliant, cloud-based IoT platform
- Edge-to-cloud data security protects your data and privacy
- Designed for emergency response, interagency collaboration, and public awareness



Ask about: **rain[e]**

To learn more about our technologies, visit [lambrecht.net](https://lambrecht.net) or contact us at [info-lambrecht@aem.eco](mailto:info-lambrecht@aem.eco)