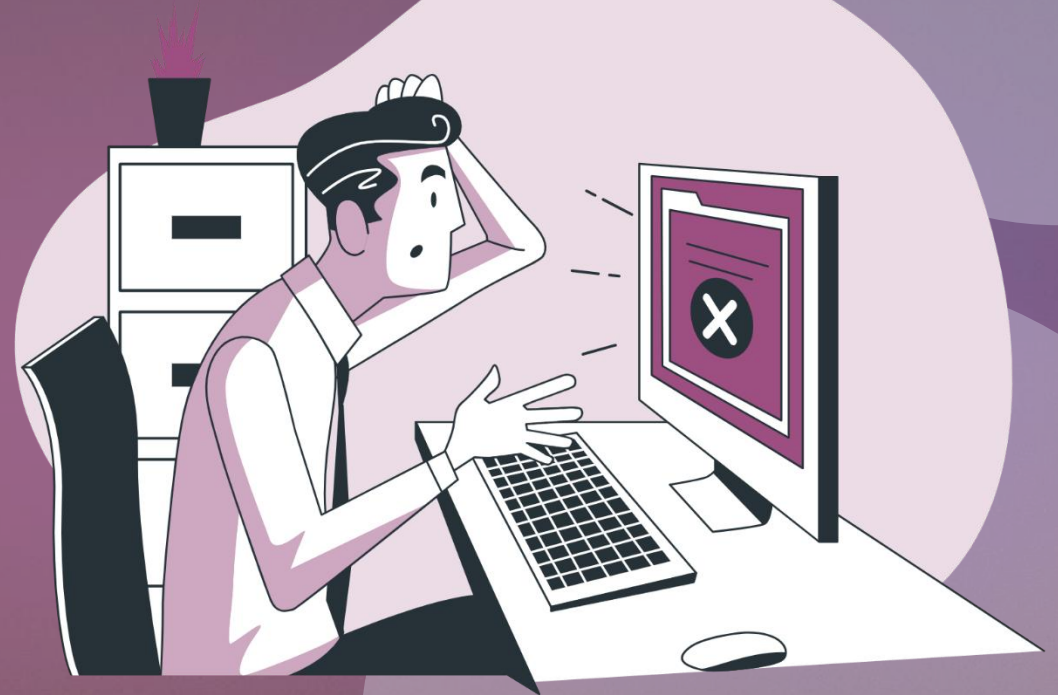


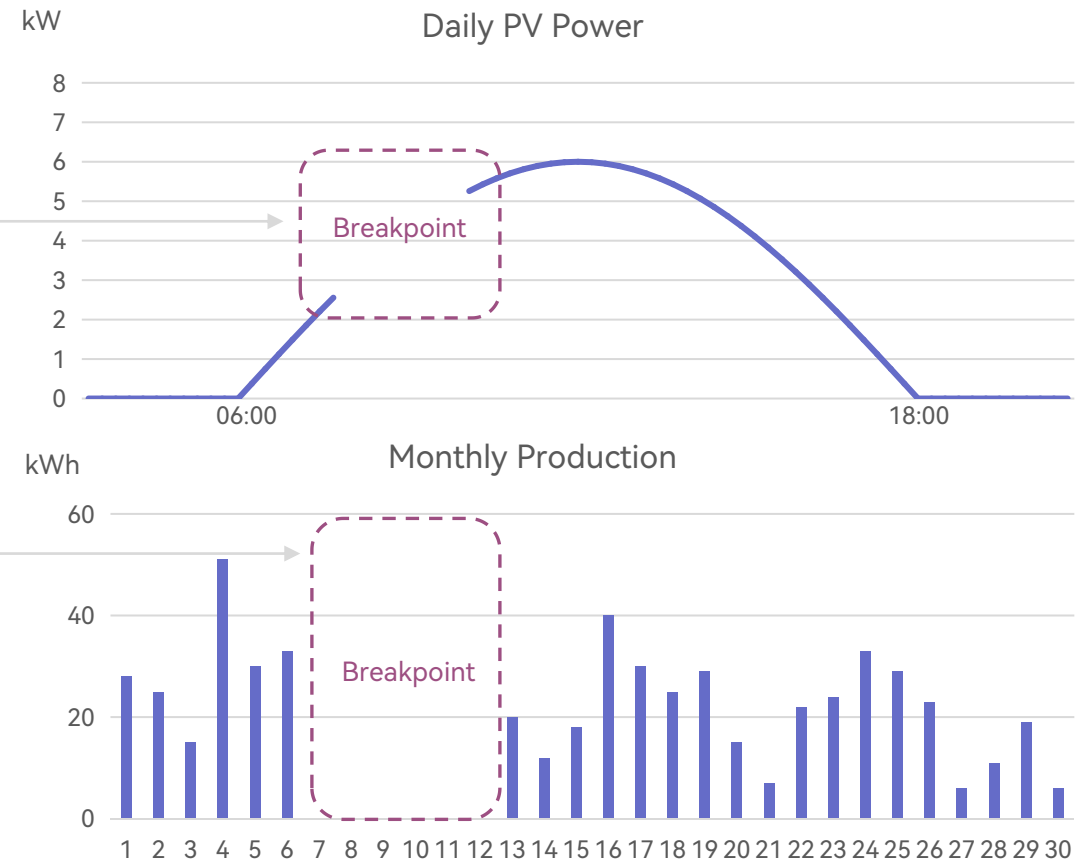
Solinteg Breakpoint Resume Solution

INTEGRATE SOLAR INTELLIGENTLY







What is breakpoint?

In solar energy system, data is very important for daily monitoring, management and maintenance. If the communication is unstable or interrupted, the data cannot be uploaded to the server properly, and the lost data we call it breakpoint.

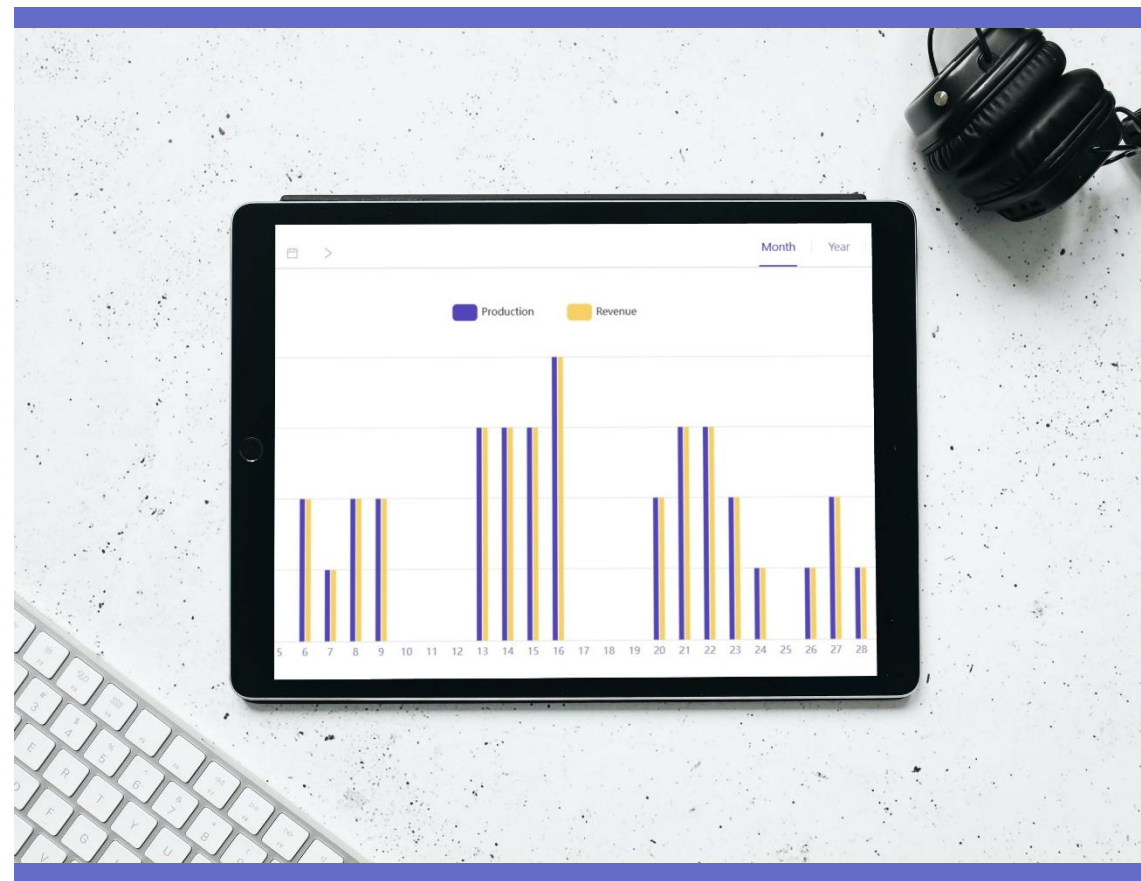


Why breakpoint need to be resumed ?

For conventional PV systems, data breakpoints will lead to data loss and unrecoverable. It makes difficult for us to manage the plants and devices.

- !  With breakpoint, it will not be possible to monitor the solar system in real time.
- !  With breakpoint, it will not be possible to obtain a complete generation report.
- !  With breakpoint, it will not be possible to accurately calculate generation revenue.
- !  With breakpoint, it will also be an obstacle for O&M.

In conclusion, breakpoint resume has an important role in PV systems.





How to realize breakpoint resume ?

Solinteg's Solution

Data storage is an excellent solution to prevent data loss. Solinteg inverters have the ability to promptly detect communication failures and record breakpoint data in a timely manner.

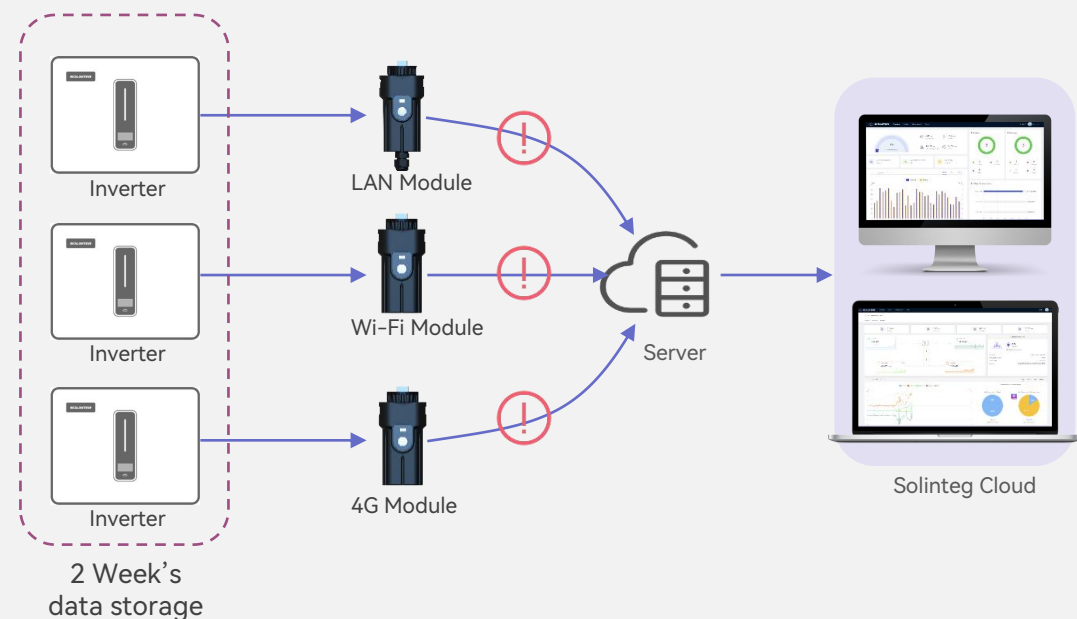
Steps:

-  When a communication failure occurs,
 1. Inverter detects upload failure.
 2. It stores the breakpoint data in the inverter*.
-  When communication is recovered,
 1. Inverter re-uploads the saved breakpoints data to the server.
 2. Data restored and uploaded properly.

* Support up to two weeks of data storage.

* Store a data packet every 5 min.

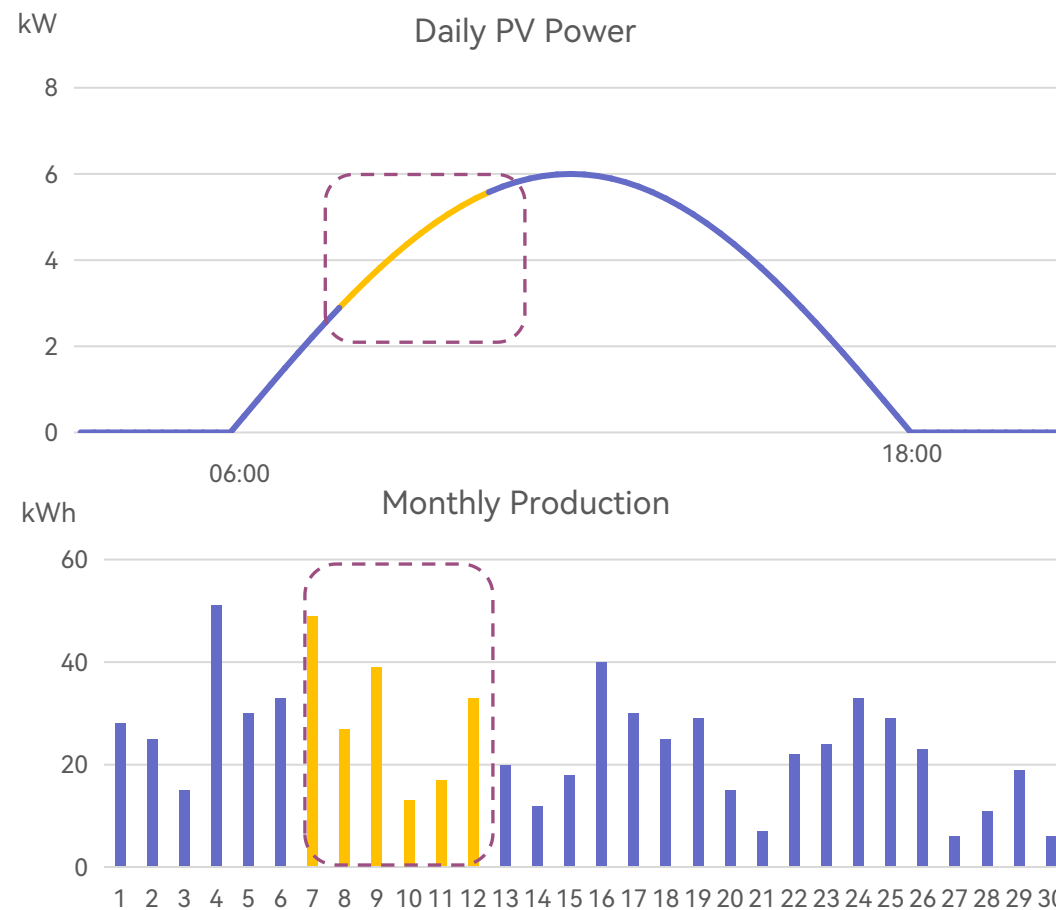
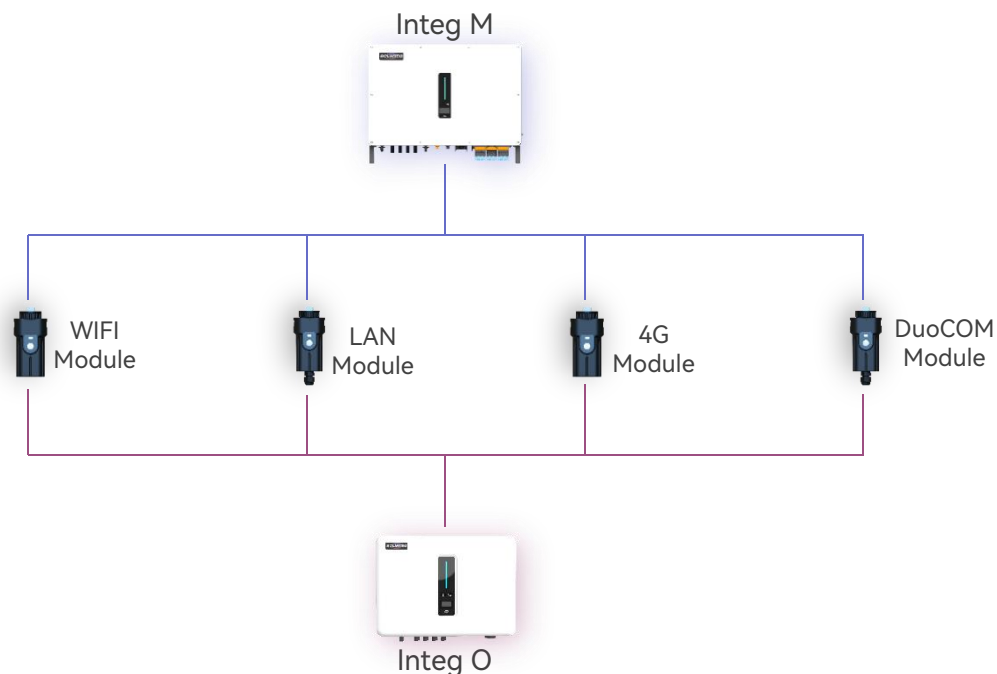
* The software version of the hybrid inverter needs to be ARM-01(24) or above, and on-grid inverter needs to be ARM-01(08) or above.



How to realize breakpoint resume ?

Supported devices

The whole series of Solinteg's inverters, including Integ M and Integ O, support the function of breakpoint resume. They should be paired with any of Solinteg's communication modules, such as WIFI/LAN/4G/DuoCOM module.



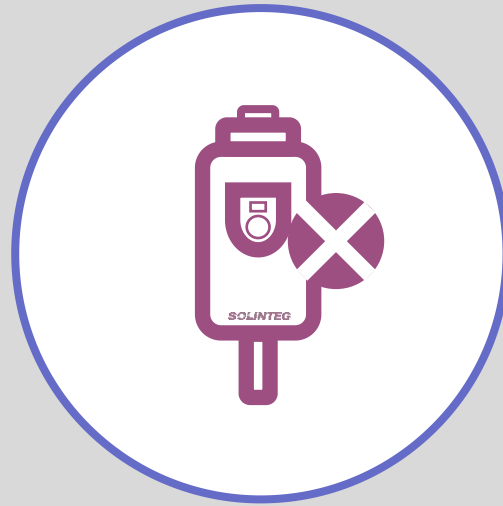
*Breakpoints are re-uploaded when communication is recovered(see yellow section).

Application Scenarios



Vacation Time

The router experience a power outage during the vacation.



Module Failure

Communication module fails caused by malfunction or poor contact and it requires time to repair or replace.



Router Failure

Router is unable to function properly due to a crash or malfunction and requires time to repair or replace.



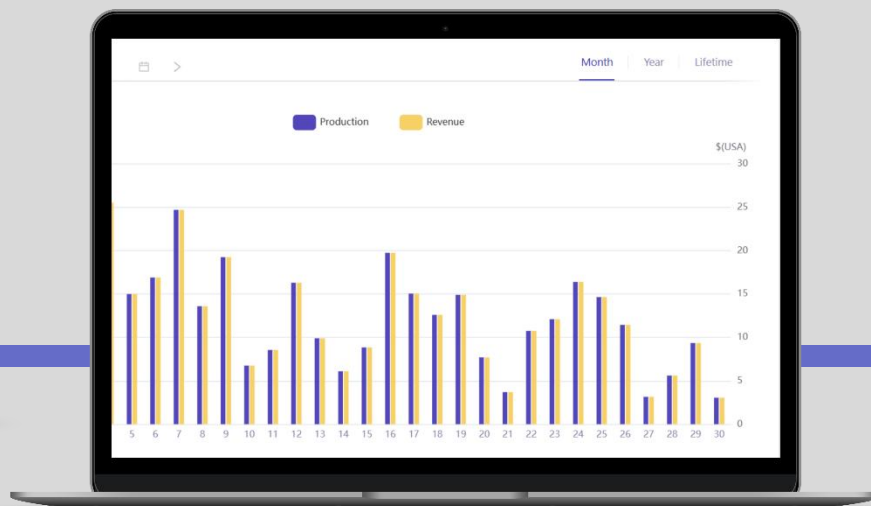
4G Arrears

SIM card tariff is used up and needs to be topped up.

*All breakpoints can be resumed when the communication outage is within 2 weeks.

*If the communication outage exceeds 2 weeks, only the most recent 2 weeks can be resumed.

Benefits of breakpoint resume



- ✓ Monitor the plants and devices in real time without breakpoints.
- ✓ Calculate generation revenues accurately without breakpoints.
- ✓ Get a complete power generation report without breakpoints.
- ✓ Operation and maintenance will also be very clear without breakpoints.



END

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