Solinteg Parallel Connection Soltuion

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Brief Introduction

Solinteg provides two methods of parallel connection: Master-Slave Parallel and Datalogger Parallel. These are suitable for all Solinteg inverters and can be utilized in both on-grid and off-grid* scenarios(off-grid parallel connection is only available for MHT 25-50K), enabling our customers to expand their system capacity and easily integrate other devices.

1   Master-Slave Parallel Connection

2   Datalogger Parallel Connection

Master-Slave Parallel Connection

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S   S   S

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Datalogger Parallel Connection
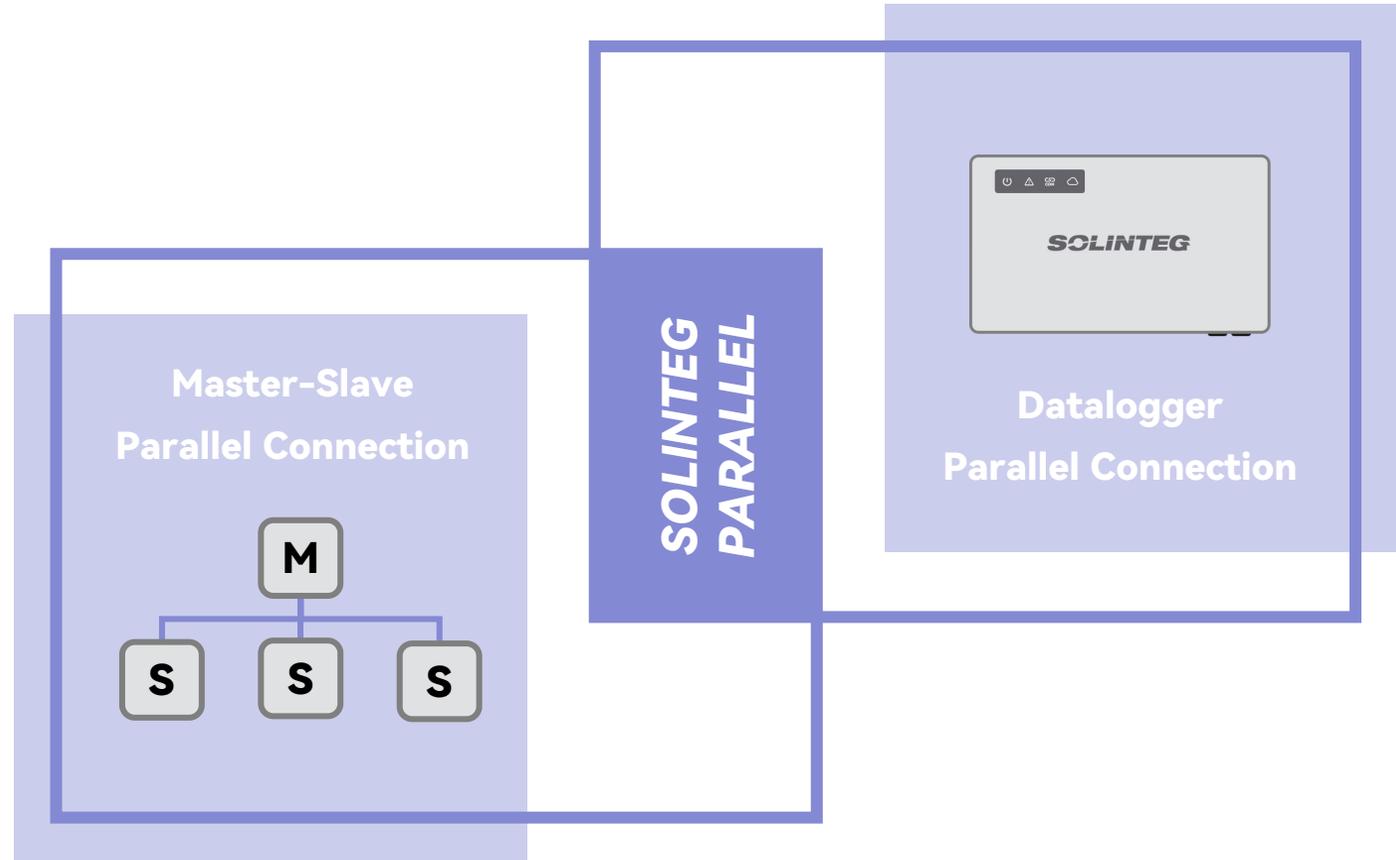
SOLINTEG

*: Off-grid parallel connection will be released at the end of Q2 2024.

Master-Slave Parallel

Solinteg Master-Slave parallel connection can be used for all hybrid inverter, which supports both on-grid side and off-grid side* paralleling (off-grid parallel connection is only available for MHT 25-50K). Besides, it has the following highlights:

- **On-grid Parallel Connection**
- **Off-grid Parallel Connection**
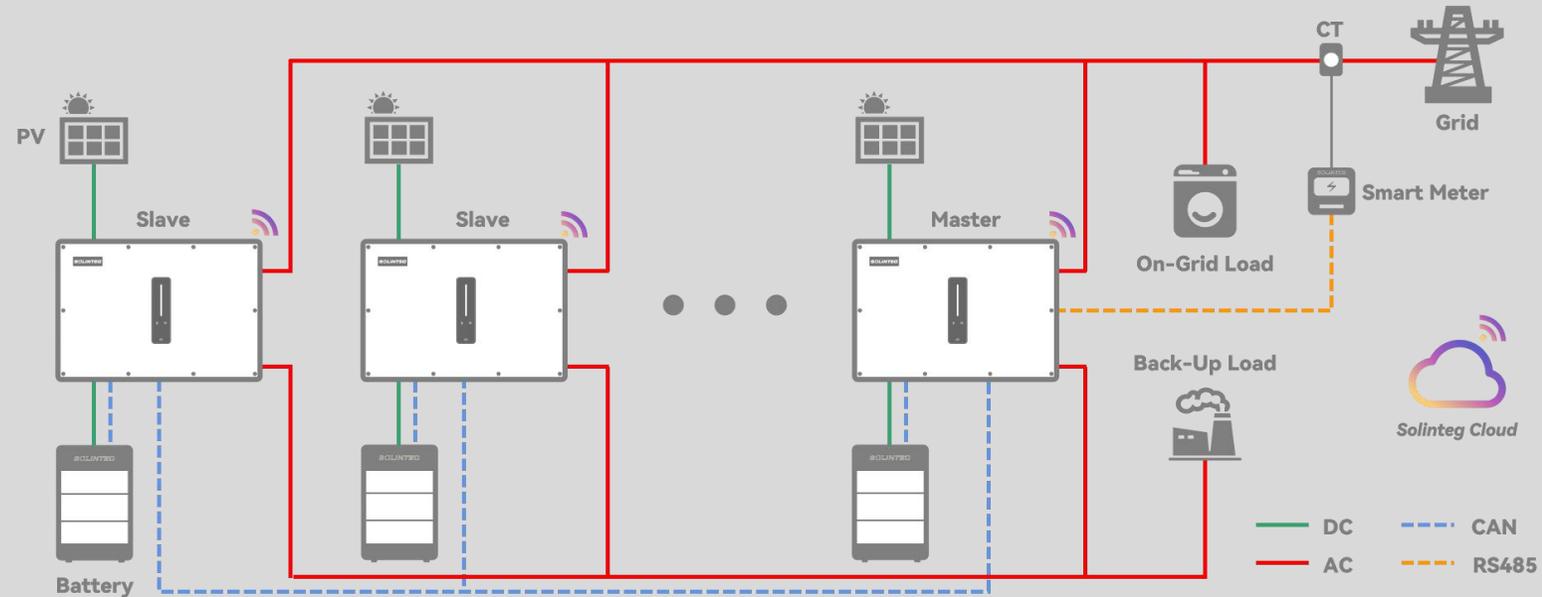- **Seamless Switching**
- **Monitor All in One**
- **System Level Precise Export Control**
- **System Level Unbalanced Output**

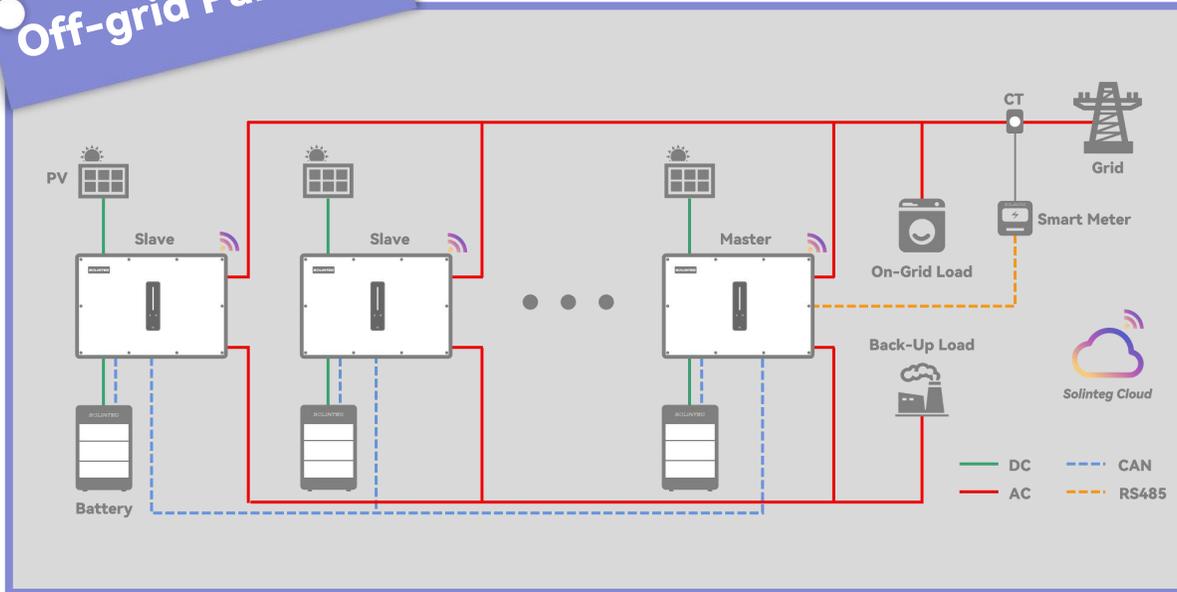*: Off-grid parallel connection will be released at the end of Q2 2024.

Solinteg Master-Slave Prallel Connection

PV
Slave
Slave
Master
CT
Grid
Smart Meter
On-Grid Load
Battery
Back-Up Load
Solinteg Cloud

— DC   --- CAN
— AC   --- RS485

Master-Slave Parallel

Off-grid Parallel *

Higher Flexibility

More flexible to expand the system and allocate the loads

On-grid Parallel
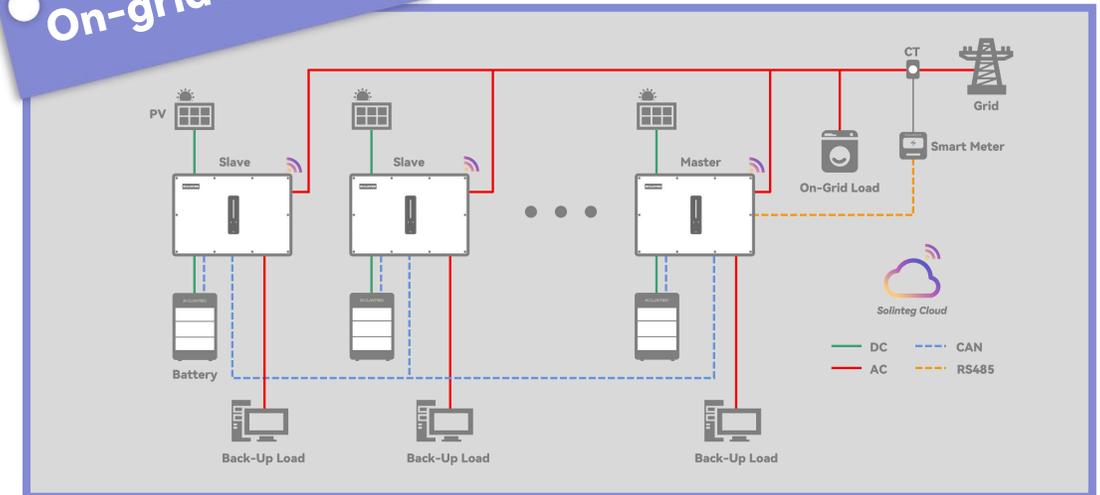
Greater Loads Carrying Ability

Share the PV and battery power to support more loads

*: Off-grid parallel connection is only available for MHT25-50K and it will be released at the end of Q2 2024.

Datalogger Parallel

Solinteg datalogger parallel increases the number of parallel units while maintaining the advantages of master-slave parallel, and integrates more intelligent control strategies into the datalogger, further enriching the functionality of the system.
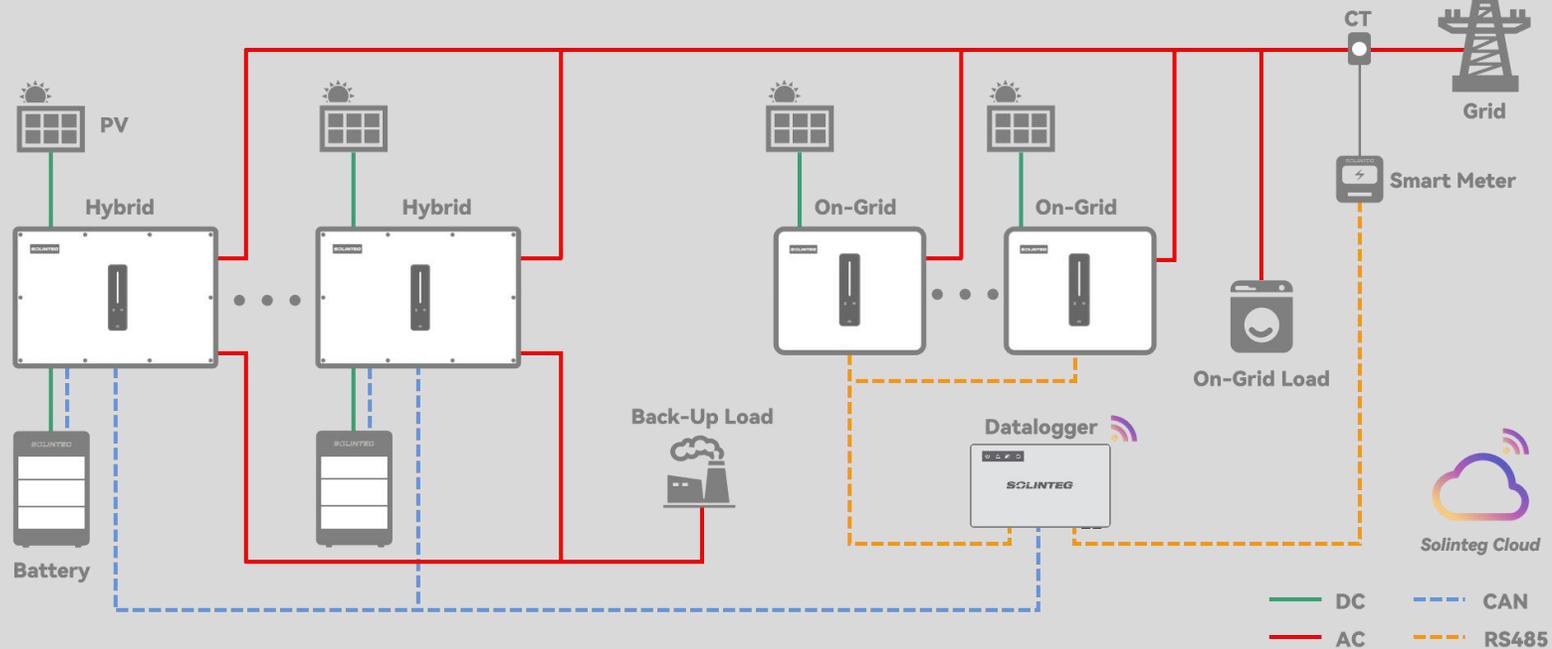
xN — More Units in One System
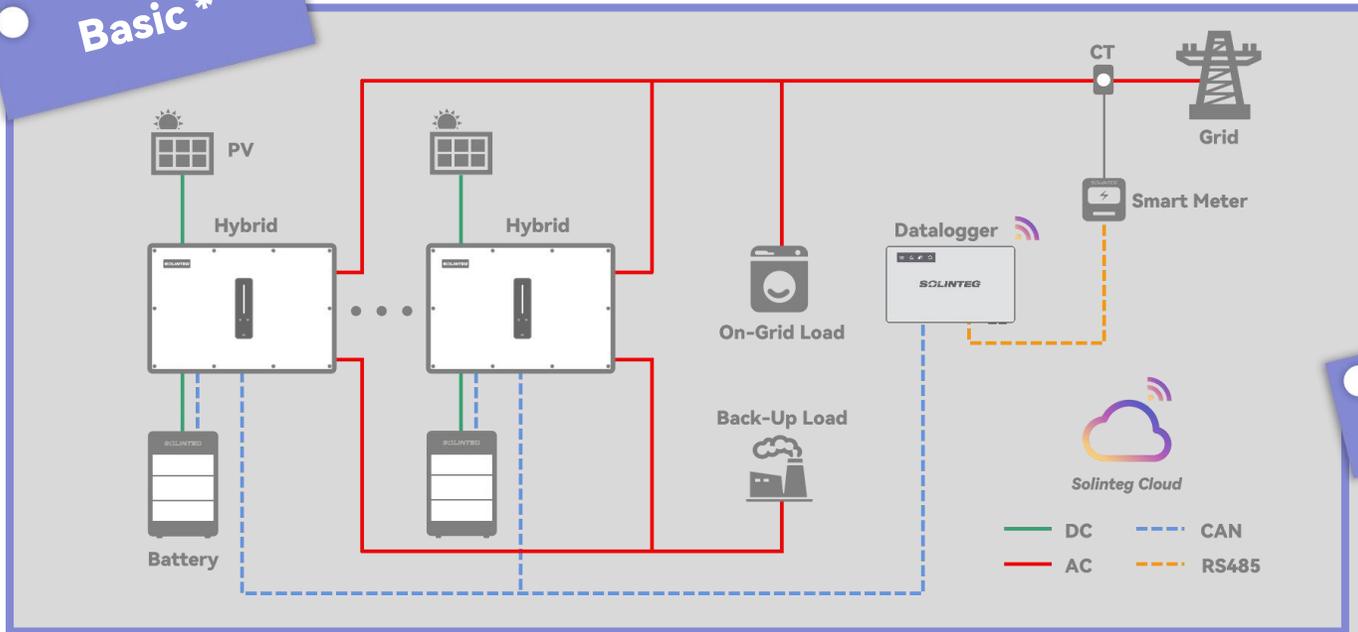
More Smart Strategies

More Integrations

Solinteg Datalogger Parallel Connection

PV · Hybrid · On-Grid · Grid · CT · Smart Meter · On-Grid Load · Back-Up Load · Datalogger · Battery · Solinteg Cloud

DC · CAN · AC · RS485

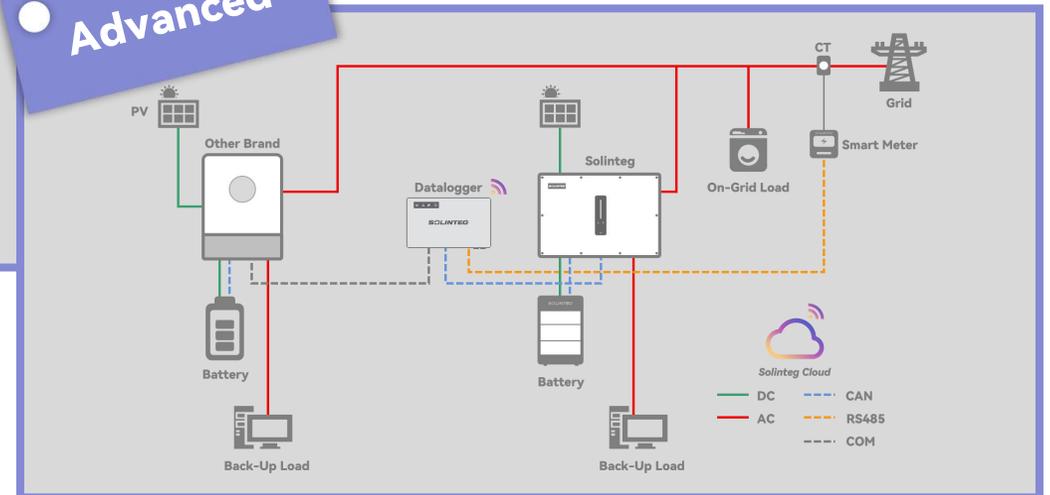# Datalogger Parallel

Typical Applications

More Units

Datalogger supports 1 string CAN parallel and 3 strings RS485 parallel (10 hybrid and 30*3 on grid paralleling)

More Possibilities

More ports to integrate other devices and other brand inverters* into one system

*: The communication protocol of other brands inverter is needed.

*: Off-grid parallel connection is only available for MHT25-50K and it will be released at the end of Q2 2024.

END
Visit Solinteg website to find out more

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