

SOLINTEG OFF-GRID APPLICATION

Energy Storage System

INTEGRATE SOLAR INTELLIGENTLY



Brief Introduction

Solinteg hybrid inverter boasts reliable off-grid power supply capability. Efficient power generation and robust off-grid load capacity effectively ensures users' electricity demands, aiding them in achieving energy independence and alleviating the inconveniences of power shortages.

Highlights

Stable and Reliable

Seamless auto switching provides a reliable output

Efficient and Intelligent

High efficiency power generation and smart EMS management

Multiple Power Backup

Multiple PV input, big current battery input, DG input



*What will happen when
power outage meets Solinteg?*

Off-Grid Features

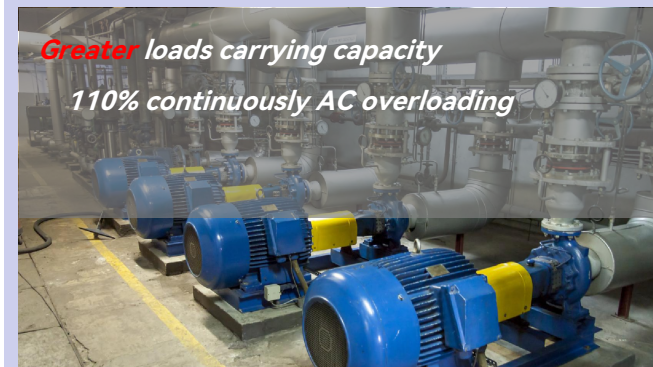
SOLINTEG

Auto Switching
< **10ms**
Uninterrupted power supply



*Seamless auto switching < 10ms **

Greater loads carrying capacity
110% continuously AC overloading



110% Back-up continuous over output

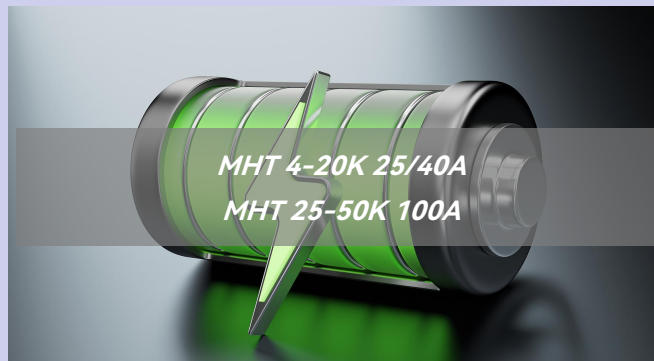
Keep The Power ALL The Time

Start the Diesel Generator Remotely



DG input ready

MHT 4-20K 25/40A
MHT 25-50K 100A



Up to 100A charging and discharging

50% MORE



150% PV oversizing

*: The system is capable of sustaining typical household demands without experiencing power outages; however, it is not designed to support life-sustaining medical equipment. It does not offer a guaranteed backup power supply in every situation.

Off-Grid Applications

Solinteg hybrid inverters offer a wide power range to meet various customer demands. When combined with appropriate energy storage batteries, they provide an excellent solution for residential and small commercial applications.

When PV power is sufficient, it can be used to charge the battery and supply power to the home loads simultaneously. If PV power is insufficient, the battery will discharge to supplement the loads along with the PV system.

Highlights

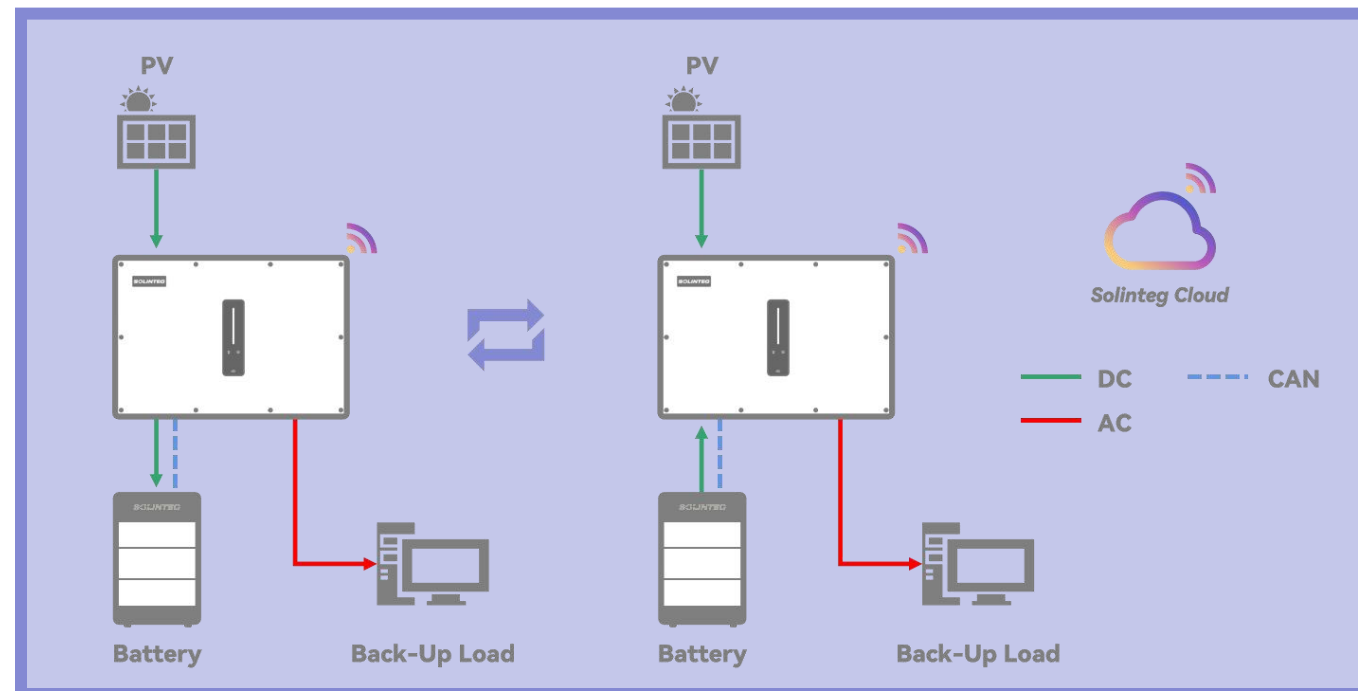
Multiple Models

A wide power range, single phase 3-8K, three phase 4-50K

High Efficiency

Up to 98.8% efficiency with 150% PV input, 110% output and 100A charging and discharging

x1 Single Inverter



Intelligent EMS and Monitoring

Built-in EMS saves every watt power with remote monitoring and smart control

Off-Grid Applications 2

Solinteg 25-50kW inverters support connecting the diesel generator to provide full backup for your energy security. And it can automatically start the generator when other power sources are insufficient.

Highlights

More Reliable

Take power from the DG when power outage occurs

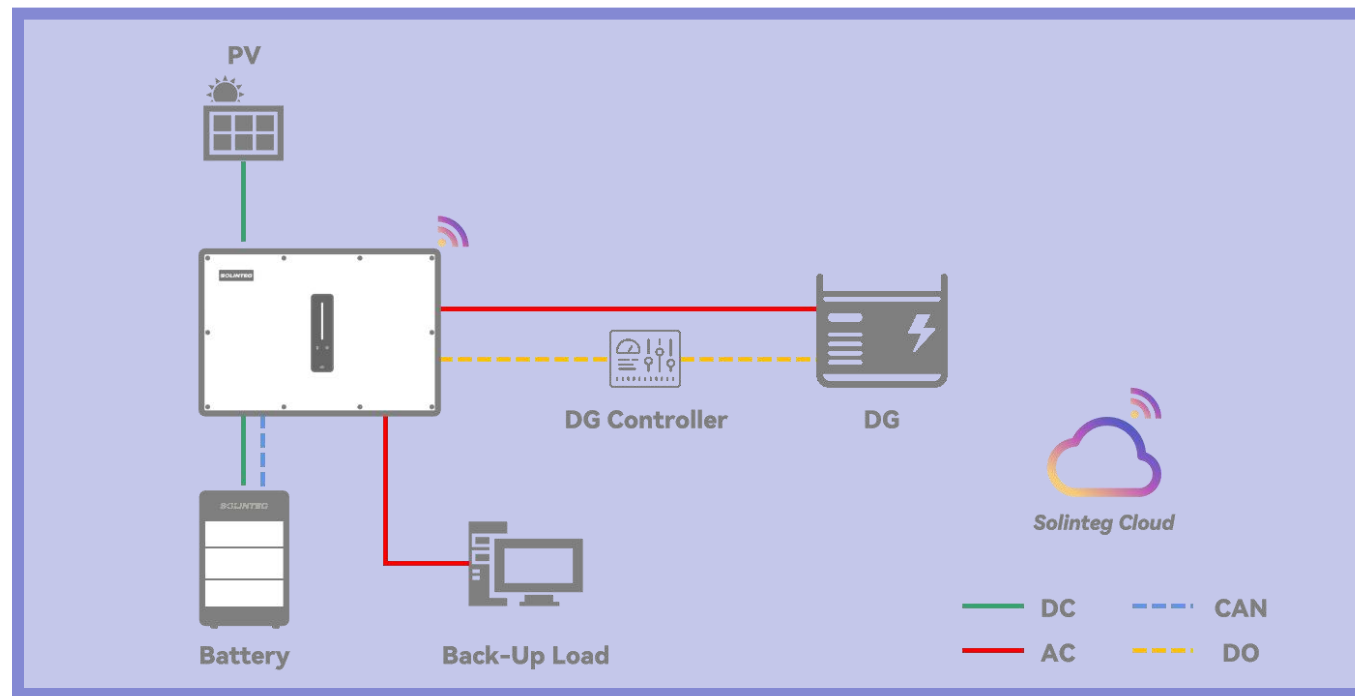
Intelligent Control

Start the DG remotely and intelligently

Simpler Installation

DG input port integrated, no need transfer device

x1 Single Inverter + DG



Off-Grid Applications

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Solinteg MHT 25-50K supports off-grid parallel connections*, facilitating easy expansion of plant capacity. It would be a suitable choice for commercial and small industrial applications.

Highlights

Bigger Capacity

Share the PV power and battery power

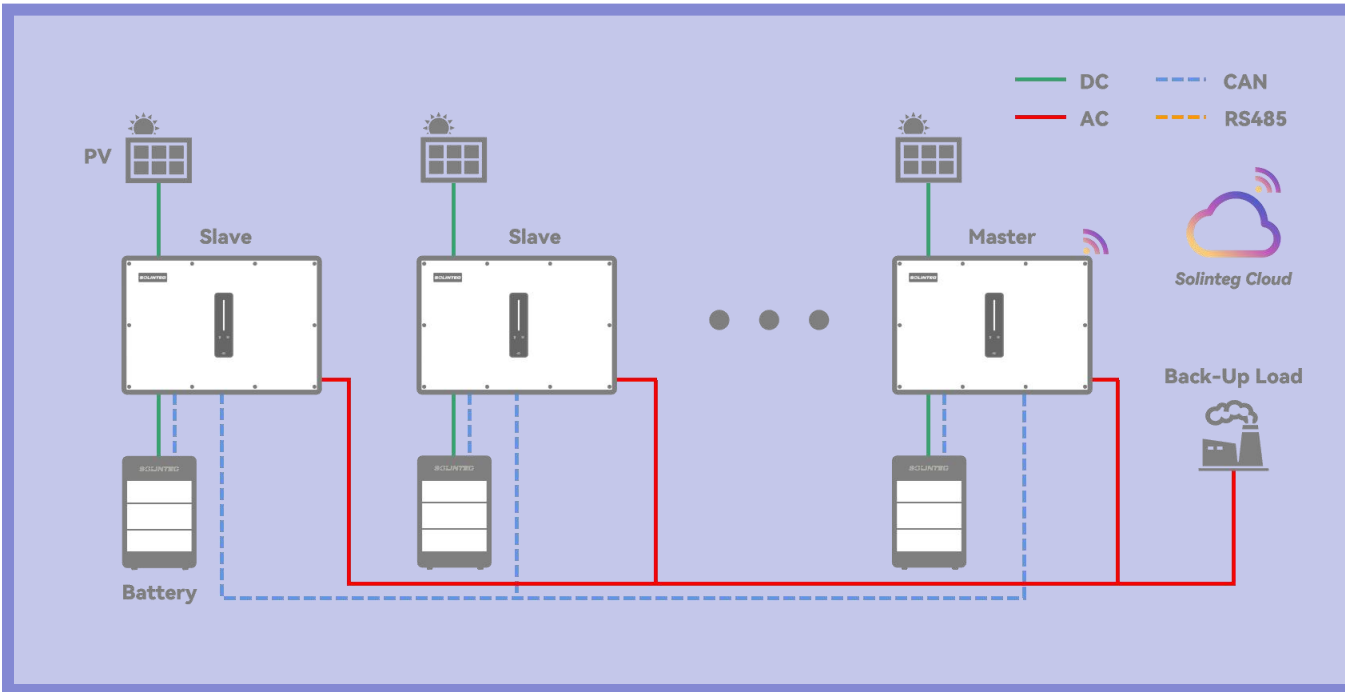
More Flexible

More flexible installation with your system

Simpler Installation

Connect all loads together to one port

xN Multiple Inverters



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

Off-Grid Applications 4

Solinteg hybrid inverters support master-slave parallel connections, enabling up to 10 units to be connected in parallel. With this more flexible setup, customers can ensure a reliable power supply at all times.

Highlights

Up to 10 Units

Support up to 10 units connection in single system

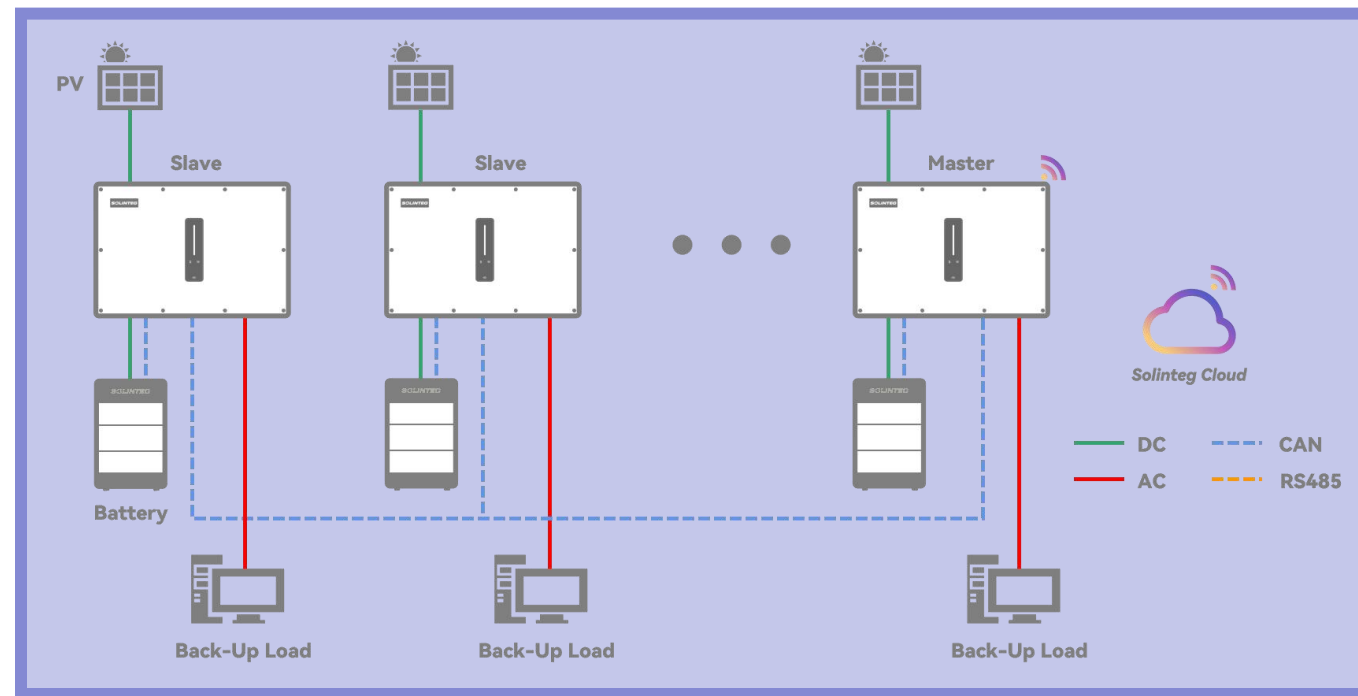
More Flexible and Reliable

Distribute all loads to different inverters to ensure overall risk resistance ability

Monitor All in One

Monitor all inverters in one platform

xN Multiple Inverters





END

Contact us at
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if you want to know more

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