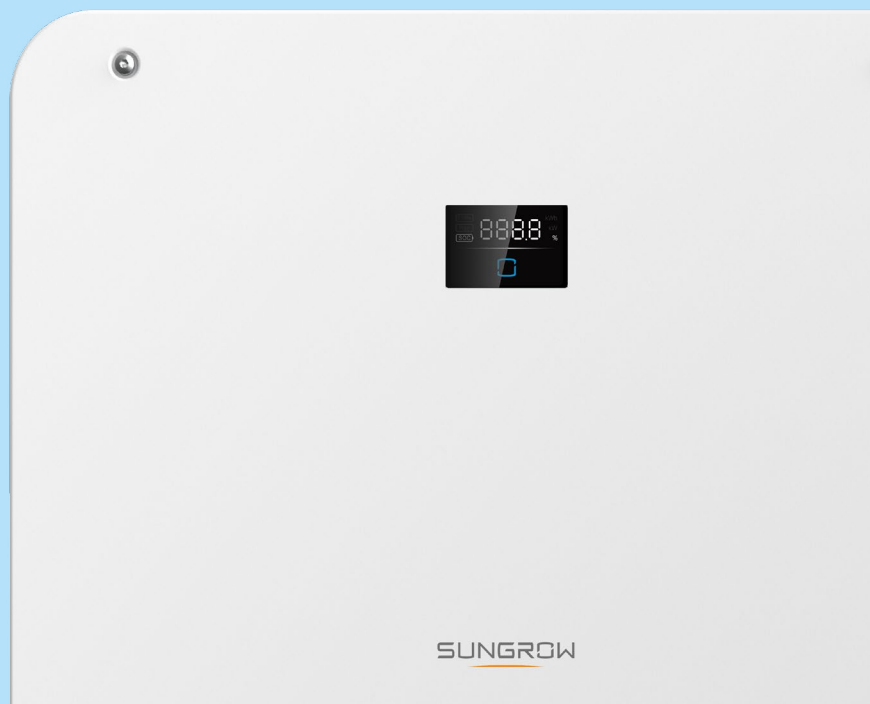


THE 3-PHASE HYBRID

MORE POWER
THAN EVER



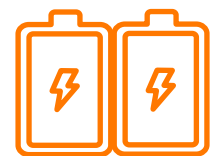
MORE POWER

With 15 kW, 20 kW and 25 kW higher power classes are now available



MORE BACKUP

The whole house load can now be connected to the Backup function (up to 43 kVA in main operation)



MORE STORAGE

Higher storage capacity is now available with up to 320 kWh with the Y connector

FOR ALL WHO WANT MORE POWER.



WIDE POWER RANGE

Ranging from 15 kW to 25 kW, the new Hybrid Series is ideal for both residential and commercial scenarios.

EASY INSTALLATION

Plug-in connections that allow simple and time-saving installations with up to 4 inverters in parallel for small C&I installations to achieve up to 100 kW AC power.

MORE STORAGE CAPACITY

Connect up to two Batteries (of the same size and model) to a single Hybrid Inverter using Y connectors. Each battery will be displayed individually on the iSolarCloud platform.

MORE MPPTs

3 MPPTs with up to 5 PV strings with 16 A for each string allow flexible module orientation for maximum yield.

INSTANT MONITORING

iSolarCloud updates the energy flow and the most important inverter measurements every 10s. Parameter settings and firmware update can be done easily remotely.

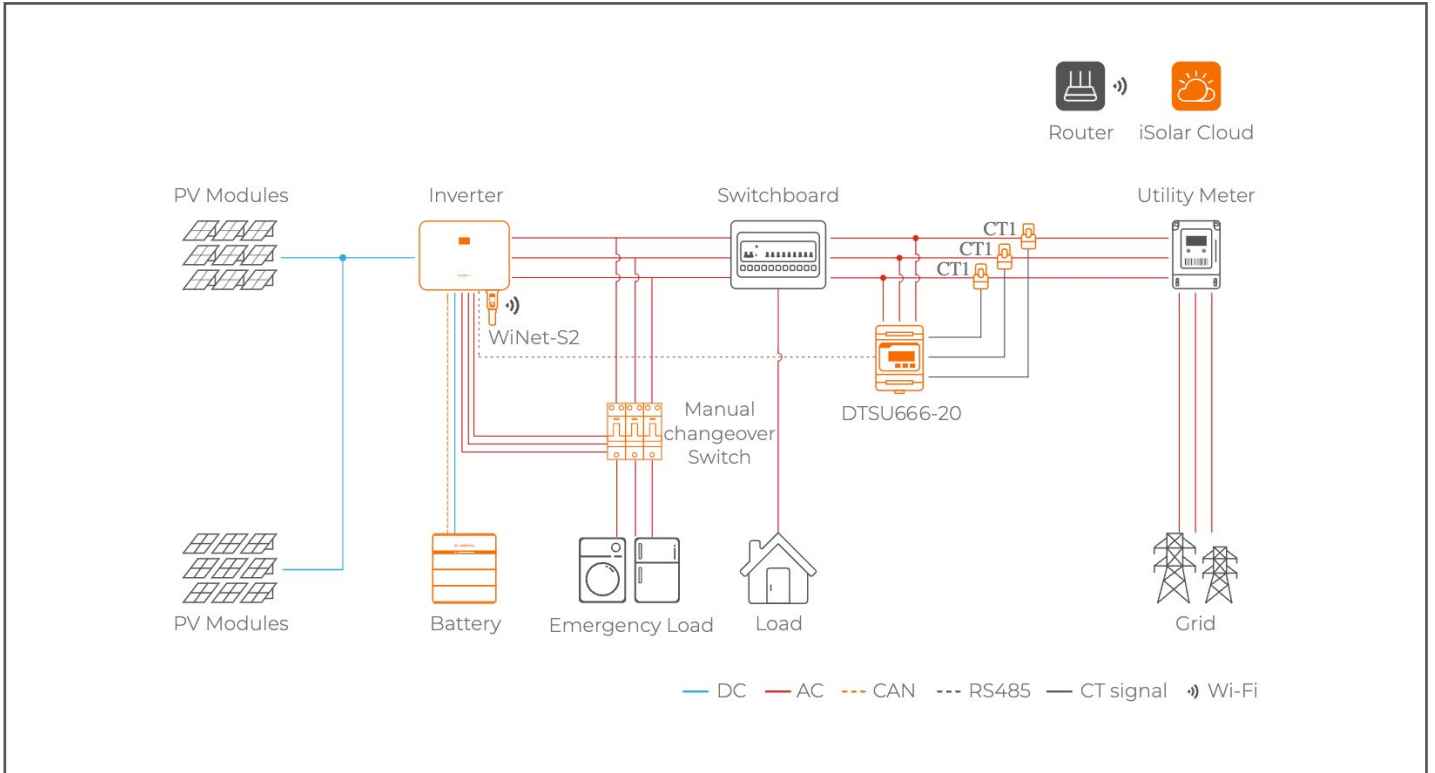
WHOLE BACKUP

Connect your entire home load (up to 43 kVA) to the backup port of the Hybrid Inverter without modifying the home distribution panel. Installing an energy meter is not necessary.

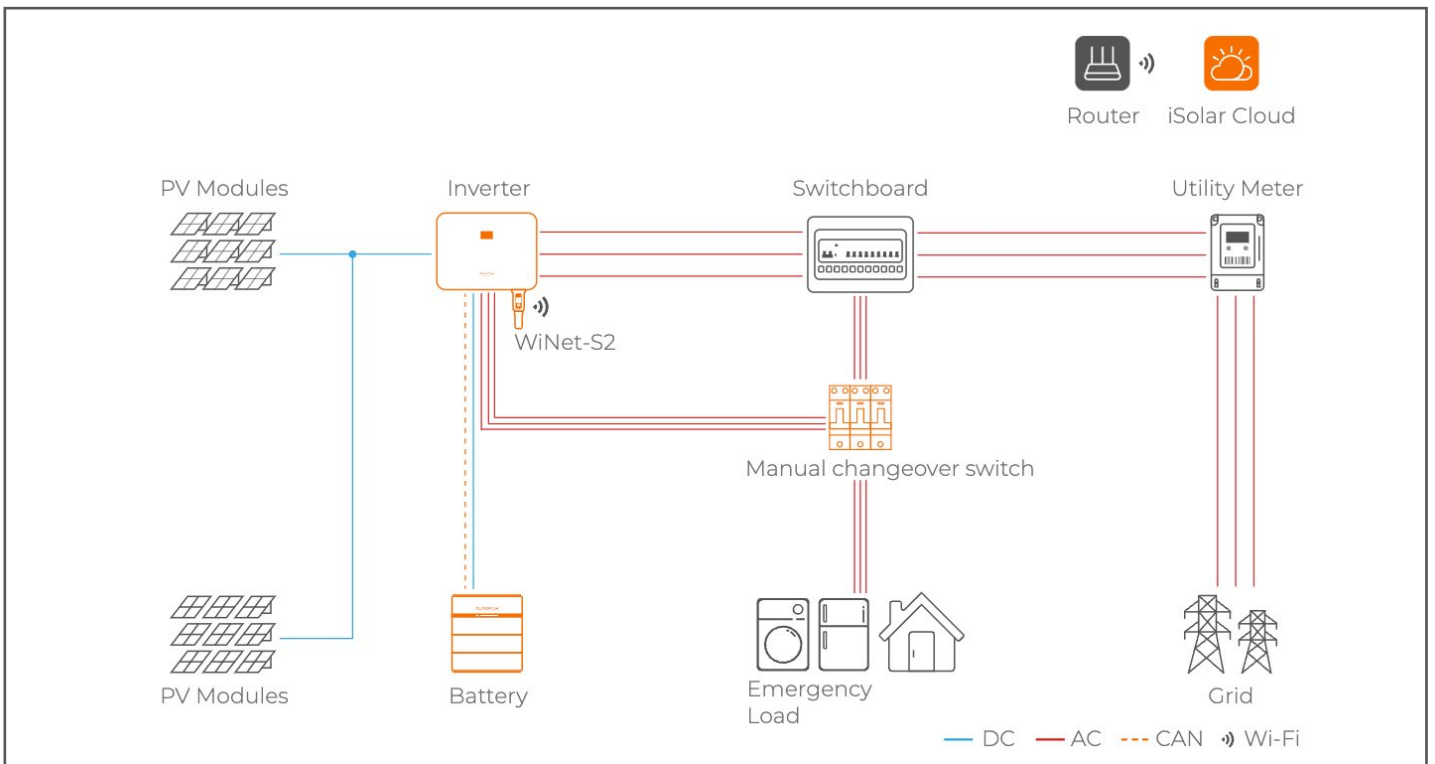
Y connector for SHT
Double your battery capacity



SINGLE SHT PARTIAL BACKUP



SINGLE SHT WHOLE HOME BACKUP



Note: These SLDs are for illustrative purposes only. For full required grounding, protection and further information refer to the user manual and local regulation

FREQUENTLY

ASKED QUESTIONS

1

Does the SHT hybrid inverter support zero-feed-in limitation phase by phase?

Yes the SHT supports phase by phase feed-in limitation to ensure no power gets injected in the grid on each phase with a dedicated option on iSolarCloud. The hybrid can compensate a maximum phase unbalance of $1/3$ of the rated power for resistive loads.

2

Can I install 4x SHT hybrid inverters in parallel, each with a Y connector and two batteries?

Yes, connect RS485 and CAN wires on COM1 port between all inverters and setup parallel mode on iSolarCloud. Each SHT hybrid inverter can be connected with two batteries with the Y connector. Every inverter can be connected to batteries of different model or size for example one inverter with 2xSBR192 and the other inverter with 2xSBH250 battery. The two batteries connected to the same inverter must be the same model and size.

3

Where can I find a step by step guide on how to connect SHT hybrid inverter in parallel and with Y connector?

We invite you to join our regular trainings in different languages where our Product Managers will show in great detail step by step instructions on how to connect and setup the parallel connection and Y connectors. These trainings are required before installing this combination for the first time.

4

How can I connect the entire house to the backup of the SHT Hybrid Inverter?

You can connect your entire household to the backup of the SHT Hybrid Inverter, as long as the total load is below 43kVA. To enable a manual switch to grid power in case of inverter failure, a manual changeover switch must be installed. Ensure the switch is rated higher than the maximum household load and includes a leading/lagging neutral (N) feature.

5

Why is an energy meter not needed if the entire house is connected to the backup?

Since the inverter already measures the total household load directly through the backup circuit, there is no need to install an additional energy meter in the customer's distribution box. This is beneficial, as it avoids any modifications to the existing distribution box and eliminates the need to install CTs where space may be limited. Simply connect the entire distribution box, including existing breakers and RCDs, to the hybrid inverter's backup port. Additional breakers and an RCD should be installed to protect the inverter itself separately.

6

Where can I find more information about the SHT Hybrid Inverter?

Technical product information, the user manual, installation video and more you'll find on our [product page here](#).

