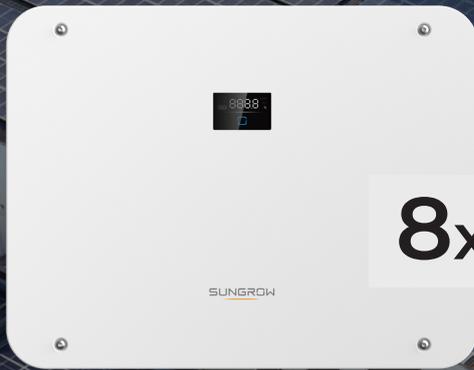


YOUR PERFECT MATCH

SUNGROW'S C&I ENERGY STORAGE SOLUTION



8x Hybrid inverter SHT



+ 5x Commercial Inverter CX



+ Logger 1000

Sungrow's new C&I Solution

Beyond flexible

MAXIMIZE SELF-CONSUMPTION

Recently, companies with PV systems on their roofs have had to deal with increasingly frequent negative electricity prices during midday, as well as commands to shut down PV plants or reduce injection to zero.

Owners of C&I PV plants can add an **Energy Storage System (ESS)** to store excess midday PV production in batteries. These stored energy reserves can then be discharged later in the day to fully power electrical machines and loads, maximizing the use of renewable energy.

PEAK SHAVING

Due to grid congestion, grid operators often impose limits on maximum power connections or calculate electricity tariffs based on peak consumption.

The peak shaving mode allows battery capacity to be reserved and discharged only when power consumption exceeds a predefined threshold. As long as sufficient battery capacity is available, the plant can operate at full power while significantly reducing peak demand.

SCALABILITY

This solution is compatible with previous CX inverter models as well as the current CX-P2 inverters and the Logger1000B.

ESS capacity can be gradually added to an existing PV plant, starting with just one SHT inverter and a small 10 kWh battery. The system can scale up to 8 SHT inverters, each supporting different battery capacities, and can integrate up to 16 batteries using the Y connector. Battery capacity can be increased in 5 kWh increments, offering a highly flexible and scalable solution tailored to customers' evolving energy needs.

YOUR PERFECT SOLUTION

Unique solutions are possible with combining the SHT and CX Series, offering:

- Flexible configurations with various battery models and capacities
- Modular installations
- Stackable solutions

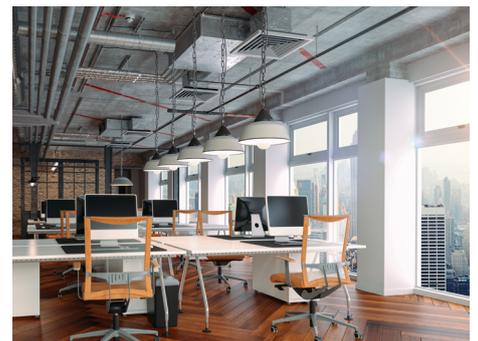
This system is highly adaptable and can be customized to meet individual requirements.



WAREHOUSES



PUBLIC BUILDINGS



OFFICES

YOUR KEY COMPONENTS FROM SUNGROW

INVERTER



SH15/20/25T



CX Series
CX-P2 Series

BATTERY



SBH 100/150/200/250/300/350/400
SBR 096/128/160/192/224/256

EMS



Logger 1000B
Logger 1000A-EU

SMART METER

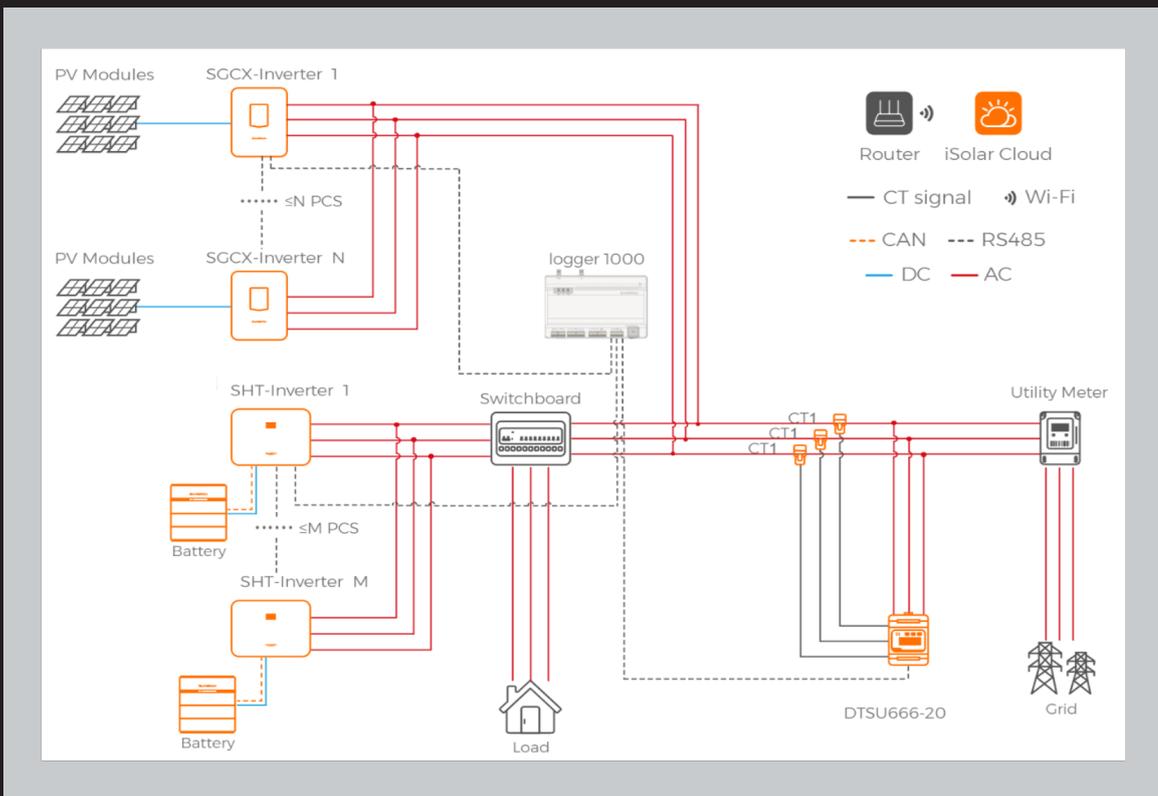


DTSU666-20 + 1 CT Set
DTSD1352 + 1 CT Set

iSOLARCLOUD



WIRING SLD



All three RS485 ports of the Logger1000 can be used interchangeably

Each SHT inverter can have its own separate backup load wiring

FREQUENTLY ASKED QUESTIONS

1 Can the power class of SHT be mixed?

No, all SHT inverters must be of the same power class. This means the system supports up to 8x SH15T, 8x SH20T or 8x SH25T, but no mixing between different models.

2 Can different battery capacities or models be used?

Yes, each **SHT inverter** manages its own battery, allowing different inverters to have different battery capacities. One **SHT** could have an **SBH** battery, while another could have an **SBR** battery. However, if using the **Y connector**, both batteries connected to the same **SHT inverter** must be **identical in size and model**.



3 Which meter is compatible with this solution?

Any meter compatible with the **Logger1000** is also compatible with this solution. Sungrow recommends using

- DTSU666-20 with its 333 mV CT (100 A or 250 A sizes, purchasable from Sungrow)
- DTSD1352 with 5 A CT (compatible with any market-available 5 A CT)

Compatible Meters for Logger1000:

DEVICE	COMMENT
DTSU666-20	Energy Meter, sold by Sungrow
250A/333mV CT	For DTSU666-20 meter, sold by Sungrow
500/1000/2000/4000A	For DTSU666-20 meter, to be purchased separately
DTSD1352-C/1(6)A	Energy meter, sold by Sungrow
Any CT with 5A secondary current	For DTSD1352-C/1(6)A meter – to be purchased separately

4 How should the Logger1000 be configured to work with this solution?

Join our regular training sessions to learn all the details about commissioning the Logger1000 in this system.

Most importantly, ensure that the Logger is set to **Energy Management System** mode, which can be selected in the top right corner of the **Logger Remote Management** window.



[Click here to watch our video with more details](#)