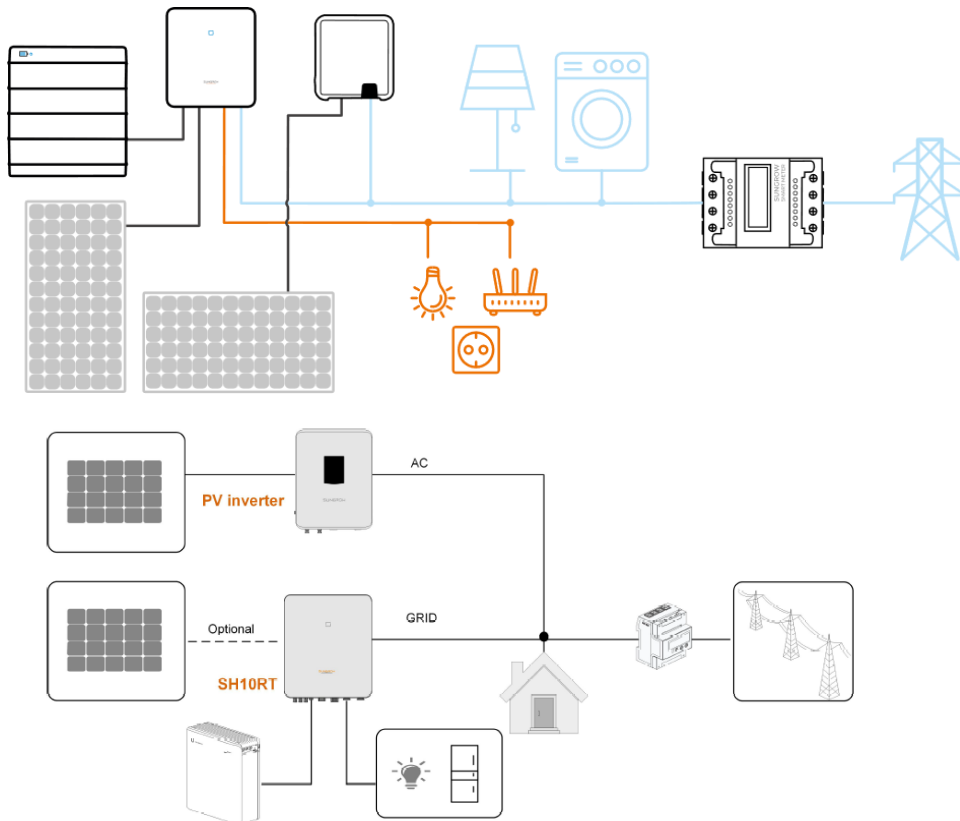


3-phase Hybrids-FAQ

Retrofit system settings SHxxRT inverter (What is a Retrofit system and how to set it)

Applicable to: SHxxRT series

The system formed after adding an energy storage inverter to the photovoltaic power generation system is called Retrofit system. That means, there is not only PV inverter but also hybrid inverter in the transformed system, as shown in Figure below.



1. Set the parameter 13-Rated Power of Original Power Generation Systems. Note that parameter 13 refers to the **installed power** rather than the rated power.
2. Set Feed-in Limitation Value = (Installed PV Power + Rated Power of Original Power Generation Systems) × Feed-in Limitation Ratio.

If the system is not a transformed system, there is no need to set parameter 13, and the default value is 0.

Advanced Settings

Protection Parameters | **Power Control** | Energy Management Parameters | Battery Parameters

[Inverter Parameter Query](#) | [Task List](#)

No.	Parameter Name	Latest Value	Numerical Term	Degree of accuracy	Unit	Remarks
12	Feed-in Limitation		Enable	--	--	--
12-1	Feed-in Limitation Value			0.01	kW	0-10
12-2	Feed-in Limitation Ratio			0.1	%	0-100
13	Rated Power of Original Power Generation Systems			0.01	kW	0-300
14	Power Regulation at Grid Overvoltage		Please Select	--	--	--
15	Power Reduction at Overfrequency		Please Select	--	--	--
16	Power Increment at Underfrequency		Please Select	--	--	--
17	Reactive Power Setting Persistence		Please Select	--	--	--
18	Reactive Power Regulation Mode		Please Select	--	--	--

Special attention:

1. When only the PV inverter is connected to the PV modules and the hybrid inverter is not connected to the PV modules in the transformed system, the Installed PV Power should be set to 0.
2. The communication of the smart meter must be connected to the Hybrid inverter.

Note: To avoid battery draining in production for self-consumption mode, please turn on "Forced Charging" and set "Forced Charging Start Time", "Forced Charging End Time" and "Forced Charging Target SOC" according to customer requirements

Common Parameter Settings

System Parameters | Protection Parameters | Power Control | **Energy Management Parameters**

[Inverter Parameter Query](#) | [Task List](#)

No.	Parameter Name	Latest Value	Numerical Term	Data Range (min.)	Data Range (max.)	Degree of accuracy	Unit	Remarks
6	Forced Charging		Enable	--	--	--	--	--
6-1	Forced Charging Valid Day		Please Select	--	--	--	--	--
6-2	Forced Charging Start Time 1		Select			--	--	--
6-3	Forced Charging End Time 1		Select			--	--	--
6-4	Forced Charging Target SOC 1			0	100	1	%	--
6-5	Forced Charging Start Time 2		Select			--	--	--
6-6	Forced Charging End Time 2		Select			--	--	--
6-7	Forced Charging Target SOC 2			0	100	1	%	--
7	DO Configuration		Please Select	--	--	--	--	--

[Apply Settings](#)

For further information, please download the user manual [here](#).

This manual is intended for professional technicians who are responsible for installation, operation, maintenance and troubleshooting of inverters, and users who need to check inverter parameters. The inverter must only be installed by professional technicians.

The professional technician is required to meet the following requirements:

- Know electronic, electrical wiring and mechanical expertise, and be familiar with electrical and mechanical schematics.
- Have received professional training related to the installation, commissioning and troubleshooting of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation, commissioning and troubleshooting.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.