

3-phase Hybrids-FAQ

Instructions for SHxxRT feed-in settings

Applicable to: SHxxRT series

The following parameters can be set in the advanced setting interface if the customer has a feed-in limitation requirement on site. As shown in the figure below.

The screenshot shows the 'Advanced Settings' window for 'Power Control'. The table below represents the data visible in the interface:

No.	Parameter Name	Latest Value Update Time:2021-12-29 16:38:46	Numerical Term	Degree of accuracy	Unit	Remarks
10	Master-slave operation mode	Close	Please Select	--	--	--
11	Installed PV Power	10	<input type="text"/>	0.01	kWp	0~300
12	Feed-in Limitation	Enable	Enable	--	--	--
12-1	Feed-in Limitation Value	7	<input type="text"/>	0.01	kW	0~10
12-2	Feed-in Limitation Ratio	70	<input type="text"/>	0.1	%	0~100
13	Rated Power of Original Power Generation Systems	0	<input type="text"/>	0.01	kW	0~300
14	Power Regulation at Grid Overvoltage	Close	Please Select	--	--	--
15	Power Reduction at Overfrequency	Enable	Please Select	--	--	--
16	Power Increment at Underfrequency	Enable	Please Select	--	--	--

1. Setting method of zero feed-in:

- 1.1 11-Installed PV Power is set to 0.
- 1.2 12-Feed-in Limitation is enabled.
- 1.3 12-1 Feed-in Limitation Value is set to 0 (Installed PV Power × Feed-in Limitation Ratio=0).

2. Setting method of feed-in limitation:

- 2.1 Setting of 11-Installed PV Power.
- 2.2 The 12-Feed-in Limitation function is enabled.
- 2.3 12-1 Feed-in Limitation Value is set according to actual requirements (calculation method of actual power limitation: Installed PV Power × Feed-in Limitation Ratio).

3 When there is no feedback from network:

The 12-Feed-in Limitation function is turned off.

- 4 For the retrofit system of photovoltaic + PV & storage, an additional PV inverter is added to the SHRT energy storage system. For this case, the feed-in setting method is as follows:
 - 4.1 First set the value in field 13-Rated Power of Original Power Generation Systems (other inverters power), which is set to the installed power of the corresponding PV inverter.
 - 4.2 Set the value in field 11-Installed PV Power of the Hybrid inverter.
 - 4.3 Enable 12-Feed-in Limitation function.
 - 4.4 12-1 Feed-in Limitation Value is set according to actual requirements (calculation method of actual power limit: (Installed PV Power + Rated Power of Original Power Generation Systems) × Feed-in Limitation Ratio).

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.