

3-phase Hybrids-FAQ

Description and settings of VPP mode of SHxxRT inverters

Applicable to: SHxxRT series

When VPP mode is enabled, the management mode of the hybrid inverter is dispatched by external devices.

How to set VPP mode: Customers can set it through iSolarCloud. A third party can see it through RS485 or WIFI. When VPP mode is enabled, fill in a time value in "External EMS Heartbeat". For example, in the following figure, "External EMS Heartbeat" is set to 20s, which means that the hybrid inverter reads the external dispatching instruction every 20s, and if there is no external dispatching instruction, the default "Self-Consumption" will be restored.

The screenshot shows the 'Advanced Settings' window in the iSolarCloud portal. The 'Energy Management Parameters' tab is active. A table lists the following parameters:

No.	Parameter Name	Latest Value	Update Time:2022-04-01 15:45:38	Numerical Term	Degree of accuracy	Unit	Remarks
1	Energy Management Mode	Self-Consumption		VPP	--	--	--
2	Charging Start Power	0			0.01	kW	0-5
3	Discharging Start Power	0			0.01	kW	0-5
4	External EMS Heartbeat	0		20	1	s	1-1000

The 'Apply Settings' button is located at the bottom right of the settings window.

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.