

1-phase Hybrids-FAQ

## How to correctly replace a 1-phase Hybrid inverter

Applicable to: SHxxRS series

1. Check the Total Feed-in and Purchased Energy, common parameter and advanced parameter settings of the original inverter on iSolarCloud and save the screenshot.

					11-001)_001_001 0RT Device Model: SH10R	π			×
General Information	Active Fault F	ault Hi	istory Chart						
Total Battery Charging Energy from PV	1.183 MWh	~	Battery Charging Power	4.339 kW 🔨	Battery Discharging Power	0 W 🔨	Battery Capacity(kWh)	10 kWh	$\sim$
Grid Information									
Daily Feed-in Energy	0 kWh	~	Total Feed-in Energy	2.134 MWh	Daily Purchased Energy	0 kWh	Total Purchased Energy	3.642 MWh	$\sim$
Purchased Power	7 W	$\sim$	Total Export Active Power	0 W 🔨	Daily Feed-in Energy (PV)	0 kWh	/ Total Feed-in Energy (PV)	2.162 MWh	$\sim$
Load Information									
Daily Load Energy Consumption	6.7 kWh	$\sim$	Total Load Energy Consumption from PV	1.015 MWh	Total Load Active Power	391 W	Total Load Energy Consumption	5.794 MWh	$\sim$
Daily Load Energy Consumption from PV	0.8 kWh	~	Daily Self-consumption Rate	18.2 %					
Other Information									- 1
Running State	On-grid Operation	()							
Device Information									
				R	epair				

$\leftarrow$	ightarrow $ ightarrow$ https://po	ortaleu.isolarcloud.com	m/#/plantDetail/se	eniorPlantDetai	l/plantDetailPar	ameterSetting?	psld=50003168	≀ps_cou A <sup>N</sup>	Q 70	€ @	e 🔋	••
ඊ	< Back	Settings										
ሴ		Energy Stora 🗸	Device Model $\ \lor$	Country/Regi.	V Device S/	NQ	Initi	al Grid Conrection	Common P	arameter Settings	✓ Task List	
A		Plant Name	Device Name	Initial Grid	Device S/N	Device Model	Country/Regio n	Grid Type	Advanced Command	Settings Line Parameters Setu	eration	
© LA		SUNGROW SH10RT	SH10RT_003_00 1	Already Set	Y2002260016	SH10RT	Germany	Low Voltage	CBU-1.0.18.0- ABO-1.0.17.0- AA10-1.0.4.0	SUNGROW SH10RT	R R ()	
@°	Overview											
26	Device Information											
52	L∆_ Curve											
ē	🛆 Fault											
Q	Plant Configuration											
3	Advanced											
0	Firmware Update											
Ģ	Live Data							Tota	1 10/page	v < <mark>1</mark> >	Go to 1	R
θ								1014	10/page		0010	

© 2021 Sungrow. All rights reserved. Subject to change without notice. Version 1.1 Sungrow Deutschland GmbH | Balanstr. 59 | 81541 München | <u>www.sungrowpower.com</u>



$\leftarrow$		$\rightarrow$ C	https://port	taleu.isolarcloud.com/#/plantDetail/	seniorPlantDetail/plan	tDetailParameterS	etting?psId=50003	16&ps_cou A <sup>%</sup>	Q 6	€ @	<b>F</b>	•	
ඊ	<	Back											
م	L		Parameter Settings									×	
ŵ	L	System Para	ameters Protection F	Parameters Power Control Energy	Management Parameters			[	Q Inverter Pa	rameter Query	Task List	: List	
	L	No.	Parameter Name	Latest Value	Numerical Term	Data Range (min.)	Data Range (max.)	Degree of accuracy	Unit	Remarks			
G	L	INO.	Parameter Name	Update Time:2022-03-30 10:55:02	Numerical term	Data Kange (min.)	Data Range (max.)	Degree of accuracy	Unit	Remarks			
	L	1	Start/Stop	Boot	Please Select $\lor$								
Δ.	L												
ø	L												
26	L						1.0						
	L												
22	L												
Ō	L												
	L												
Q													
0													
0													
					_	oh. Cattings							E
						ply Settings						1	
G													

$\leftarrow$	$\rightarrow$ C	https://portaleu.isol	arcloud.com/#/plantDetail/senior	PlantDetail/plantDetailPara	meterSetting?psId=50003	316&ps_cou	A" Q 10	€ @	5	
ඊ	< Back									
	Advanced S	Settings							×	List
ŵ	System Param	Protection Parameters	Power Control Energy Manage	ement Parameters Battery P	arameters		Q Inverter Para	ameter Query	Task List	List
	No.	Parameter Name	Latest Value Update Time:2022-04-01 15:45:38	Numerical Term	Degree of accuracy	Unit		Remarks		
Θ	1	DI Emergency Stop Function	Close	Please Select	·					
@* 56										
2										
Ō										
Ū										
0										
0										E
	_			Apply Settings						1
G										

2. When the inverter is changed, on iSolarCloud, you can create a new plant or use the original plant according to the customer's demand.



3. Set Grid code, common and advanced parameters according to your previous screenshots.

÷	$ ightarrow {f C}$ $\begin{tabular}{lllllllllllllllllllllllllllllllllll$	portaleu.isolarclo	ud.com/#/plantDetail/s	seniorPlantDe	tail/plantDetailPa	rameterSetting	?psId=50003168	&ps_cou A <sup>№</sup>	Q 70	£= @	P 🔋 .
ඊ	< Back	Settings									
ŵ		Energy Stora	✓ Device Model ✓	Country/Re	egi > Device S	Q Q		ial Grid Connection	n Common P	arameter Settings	✓ Task List
		Plant N	lame Device Name	Initial Grid	Device S/N	Device Model	Country/Regio n	Grid Typ	Advanced : Command	Settings Line Parameters S	eration
Ф LA	SUNGROW SH10RT	SUNGR SH10RT	COW SH10RT_003_00 F 1	Already Set	Y2002260016	SH10RT	Germany	Low Voltage	CBU-1.0.18.0- AB0-1.0.17.0- AA10-1.0.4.0	SUNGROW SH10RT	B B ()
0°	8 Overview										
8	Device Information										
5	I∆. Curve										
	▲ Fault										
	Plant Configuration										
0	Advanced										
	Firmware Update										
	Live Data							Tot	al 1 10/page	/ < 1	> Go to 1
3											

4. Make sure, you set Import (Total Purchased Energy)/Export (Total Feed-in Energy) Energy Adjustment, according to your previous screenshots. If the power generation compensation is not carried out, the power generation data on iSolarCloud will show anomaly.

Advanced	l Settings						>
System Para	ameters Protection Parameters	Power Control Energy Manage	ment Parameters Battery Para	ameters	[	Q Inverter Parameter Query	Task List
No.	Parameter Name	Latest Value Update Time:2022-04-01 15:45:38	Numerical Term	Degree of accuracy	Unit	Remarks	
1	Total Import Energy Adjustment	0		1 🗘	kWh	Post-compensat Yield≥0	tion Total
2	Total Export Energy Adjustment	0		1	kWh	Post-compensat Yield≥0	tion Total
3	Manual Scanning		Please Select $\sim$			**	
4	Timing Scanning	Close	Please Select $\sim$				
5	Periodic Scanning	Enable	Please Select $~~$ $~~$	-			
6	Active Power Soft Start after Fault	Enable	Please Select $\lor$				
7	Active Power Gradient Control	Enable	Please Select $\vee$				
8	Active Power Setting Persistence	Close	Please Select $\sim$				
9	Active Power Limit	Enable	Please Select V				

To delete the replaced inverter from iSolarCloud, please contact SUNGROW Service.

For further information, please download the user manual <u>here.</u>



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.