

# SH8.0/10 RS Hybrid inverter – Whole Home Backup and when to connect the meter

**Disclaimer**

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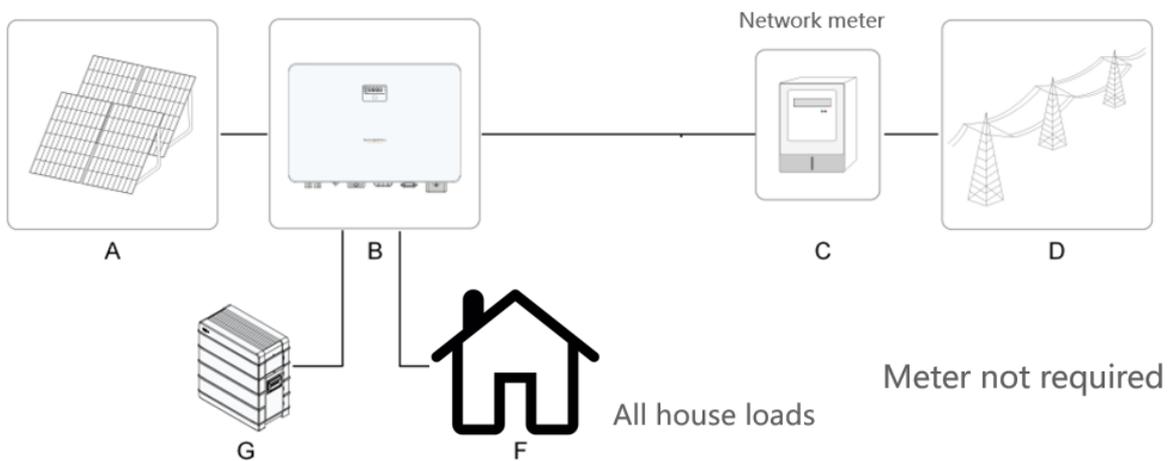
**Overview:**

With the SH8.0RS and SH10RS Hybrid inverters, it is not always necessary to connect the supplied DTSU666-20 meter.

If the ‘Whole Home Backup’ function is used, and there are no 3<sup>rd</sup> party retrofit inverters on site, the internal measuring points inside the inverter will provide all necessary data to iSolarCloud. So no meter is necessary.

**Whole Home Backup:**

In the ‘Whole Home Backup mode, all loads are connected to the Backup port of the inverter.



The cross-reference chart below shows when and when not to use a meter.

**Cross Reference chart:**

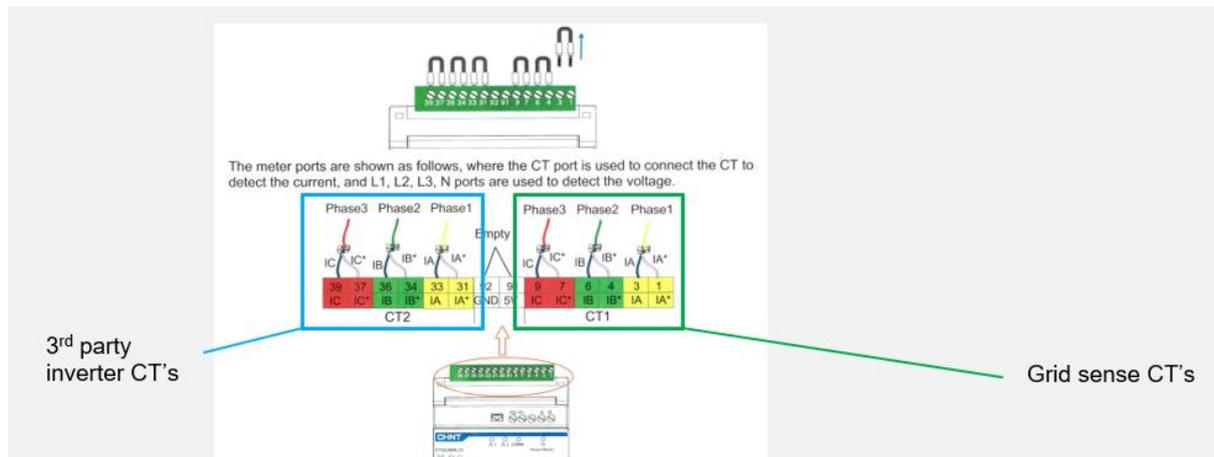
Hybrid Inverter	Scenario	Meter required?	Channel 2 CT's required?	Whole Home Backup setting
SH8.0/10RS	Whole Home Backup	NO	NO	ENABLE
SH8.0/10RS	Some loads on grid	YES	NO	DEFAULT
SH8.0/10RS	Whole Home Backup with Sungrow retrofit inverter	NO	NO	ENABLE
SH8.0/10RS	Whole Home Backup with 3rd party retrofit inverter	YES	YES	DEFAULT
SH8.0/10RS	Some loads on grid with Sungrow retrofit inverter	YES	NO	DEFAULT
SH8.0/10RS	Some loads on grid with 3rd party retrofit inverter	YES	YES	DEFAULT

As can be seen from the above chart, any Sungrow retrofit inverters also do not require metering as they will upload the necessary data to the iSolarCloud via the dongle.

**Current transformers:**

If you are connecting a DTSU666-20 meter, the Channel 1 current transformer(s) will monitor the AC mains.

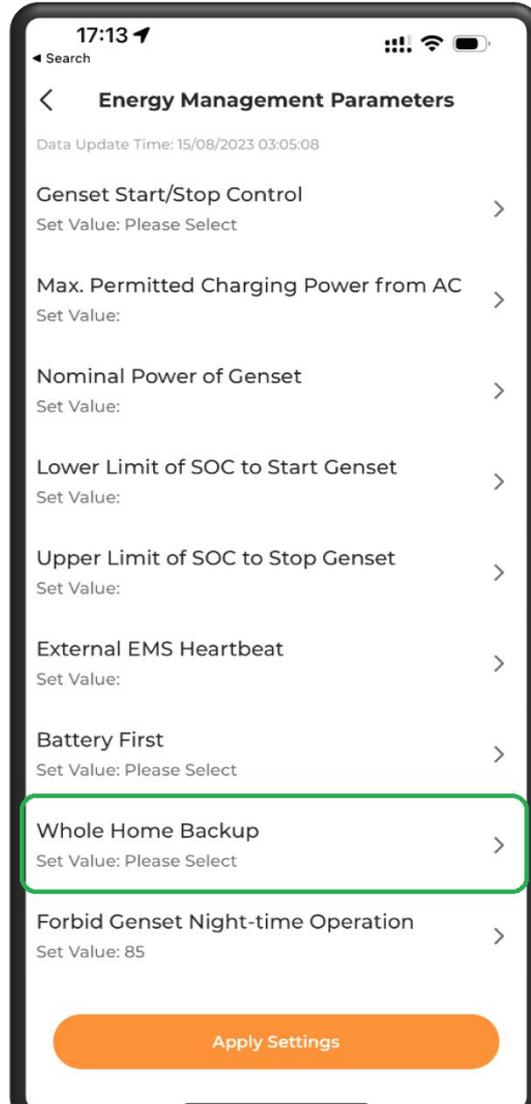
Only use channel 2 if a non-Sungrow inverter is connected to the same phase(s).



*Don't forget to remove the short-links if connecting a CT.*

**Enabling the Whole Home Backup mode in the settings:**

If you are utilising the whole home backup, and don't have a meter connected, enable the setting in the App.



If the issue still persists, please take photos testing on site and contact Sungrow Service Department on 1800 786 476 or email to [service@sungrowpower.com.au](mailto:service@sungrowpower.com.au).