

Clarification for Current Transformers used on Sungrow meters

Disclaimer

The material in this document has been prepared by Sungrow Australia Group Pty. Ltd. ABN 76 168 258 679 and is intended as a guideline to assist solar installers for troubleshooting. It is not a statement or advice on any of the Electrical or Solar Industry standards or guidelines. Please observe all OH&S regulations when working on Sungrow equipment.

Meter types:

Sungrow utilises four different meters.

- S100
- DTSD1352-C/1 (6)A
- DTSU666-20
- iHomeManager

S100:



The S100 comes with a CT already attached and is used on Single-Phase inverters. It is rated at 100A primary, and 25 mA secondary

DTSD1352-C/1 (6)A:



This is the commercial meter and does not come supplied with Ct's. The installer shall determine the primary current rating to suit the supply, and the secondary current rating is 5 Amps.

DTSU666-20:



This meter comes supplied with many inverters and Hybrids, and will either have 2 Ct's supplied (single-phase), or 3 Ct's for a 3-phase inverter.

The supplied Ct's are rated at 100A primary, and 333mV secondary.

If larger Ct's are required, the following sizes can also be used:

Parameter	Value range	Description
Ct	1 ~ 88	1: CT01:100A/333mV; 2: CT02:250A/333mV;
		3: CT03:400A/333mV; 4: CT04:500A/333mV;
		5: RS01:1000A/333mV; 6: RS02:2000A/333mV;
		7: RS03:3000A/333mV; 8: RS04:4000A/333mV;

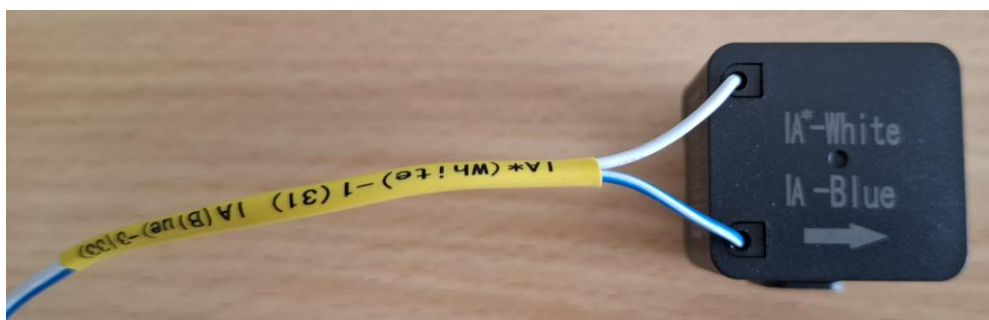
iHomeManager:



Like the DTSU666-20, the iHomeManager also comes supplied with and uses default 100A/333mV Ct's.

Polarity and direction:

All Sungrow supplied Ct's have identifying polarity, phase, and direction markings. The arrow must always point in the direction of house loads.



If the issue persists after following above procedures, please take photos testing on site and contact Sungrow Service Department on 1800 786 476 or email to service@sungrowpower.com.au, Monday- Friday 9am - 5pm (AEDT).