

# Guidelines for 3-Phase energy meter (DTSU666) to Sungrow 1-Phase and 3-Phase Inverters

**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.

This document mainly specifies the connection between 3-Phase energy meter (DTSU666) to several types of Sungrow Inverters, including

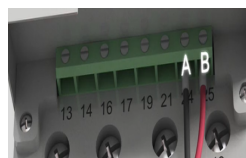
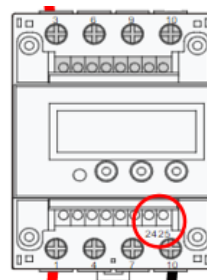
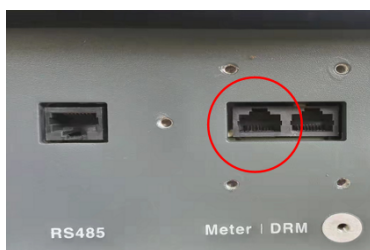
- G2 single phase, LV & HV hybrid single phase
- G1 three phase, G2 Grid-connected & hybrid three phase

**Connection to G2 Single Phase Inverter**

*Applicability: SG2K-S/SG2K5-S/SG3K-S and SG3K-D/SG5K-D/SG8K-D*

Equipped by RJ45 cable from Sungrow, the pin connections to DTSU666 meter are as follow

| RJ45 Cable      | DTSU666 Meter |
|-----------------|---------------|
| Pin 8 (Cable A) | Terminal 24   |
| Pin 6 (Cable B) | Terminal 25   |

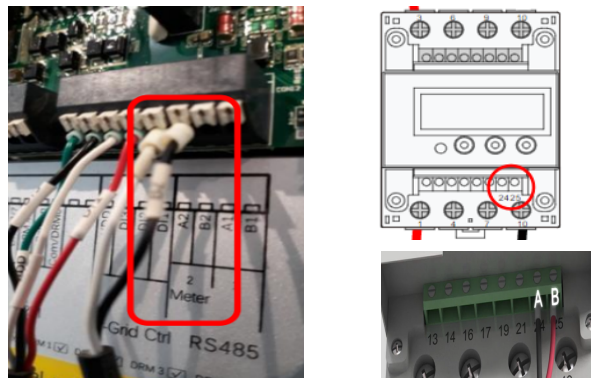


**Connection to LV Hybrid Single Phase Inverter**

*Applicability: SH5K-30*

Connection from Inverter side is from the terminal inside the inverter. The pin connections to DTSU666 meter are as follow

| Terminal Inside Inverter | DTSU666 Meter |
|--------------------------|---------------|
| A2 (Cable A)             | Terminal 24   |
| B2 (Cable B)             | Terminal 25   |

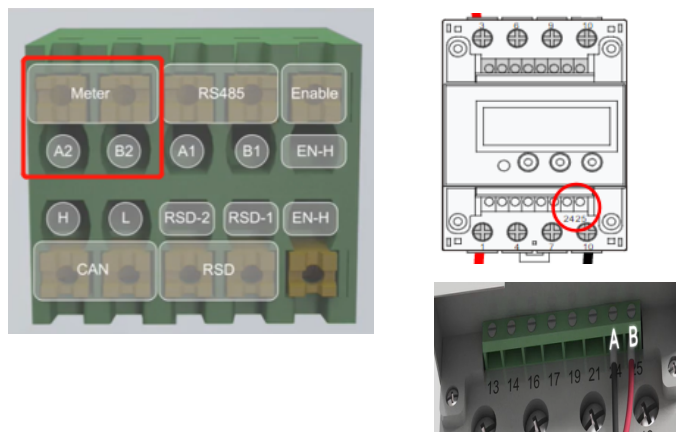


**Connection to HV Hybrid Single Phase Inverter**

*Applicability: SH5.0RS, SH6.0RS*

Connection from Inverter side is from the Multi Com Port Plug (MCP) under communication port. The pin connections to DTSU666 meter are as follow

| MCP                 | DTSU666 Meter |
|---------------------|---------------|
| Pin 1 (A2, Cable A) | Terminal 24   |
| Pin 3 (B2, Cable B) | Terminal 25   |



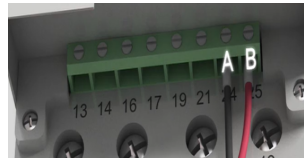
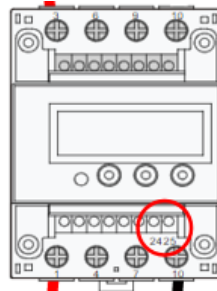
**NOTE: In the iSolarCloud, choose “Enable” Meter Communication Detection Parameter**

**Connection to G1 Three Phase Inverter**

*Applicability: SG5KTL-MT/SG10KTL-MT/SG15KTL-M/SG20KTL-M*

Equipped by RJ45 cable from Sungrow, the pin connections to DTSU666 meter are as follow

| RJ45 Cable      | DTSU666 Meter |
|-----------------|---------------|
| Pin 6 (Cable A) | Terminal 24   |
| Pin 3 (Cable B) | Terminal 25   |

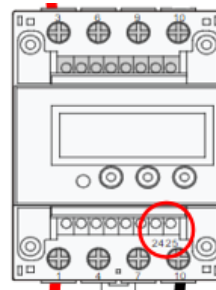
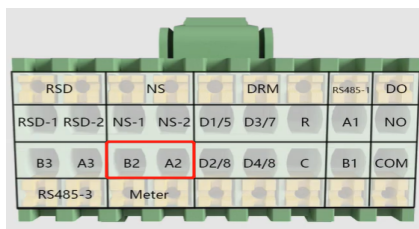


**Connection to G2 Grid-connected Three Phase Inverter**

*Applicability: SG5.0\_7.0\_8.0\_10\_15\_20RT*

Connection from Inverter side is from the Multi Com Port Plug (MCP) under communication port. The pin connections to DTSU666 meter are as follow

| MCP                 | DTSU666 Meter |
|---------------------|---------------|
| Pin 8 (A2, Cable A) | Terminal 24   |
| Pin 6 (B2, Cable B) | Terminal 25   |

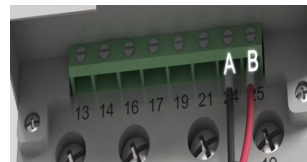
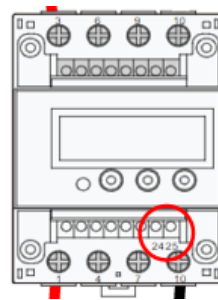
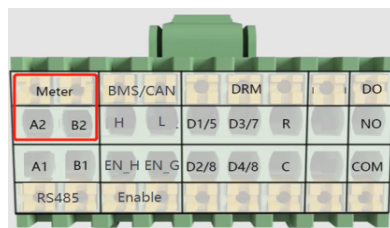


**Connection to G2 Hybrid Three Phase Inverter**

*Applicability: SH5.0\_10RT*

Connection from Inverter side is from the Multi Com Port Plug (MCP) under communication port. The pin connections to DTSU666 meter are as follow

| MCP                 | DTSU666 Meter |
|---------------------|---------------|
| Pin 1 (A2, Cable A) | Terminal 24   |
| Pin 3 (B2, Cable B) | Terminal 25   |



**NOTE: In the iSolarCloud, choose “Enable” Meter Communication Detection Parameter**

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](mailto:service@sungrowpower.com.au), Monday- Friday 9am - 5pm (AEDT).