3-phase Hybrids-FAQ

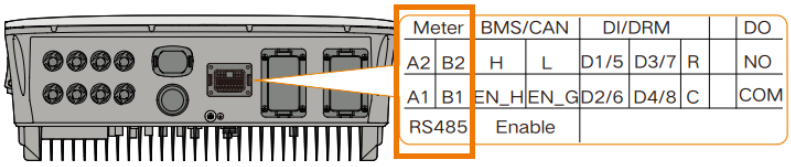
Reverse polarity of the SHxxRT smart meter and the correction method

Applicable to: SHxxRT series

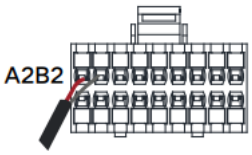
There are two ways to correct reverse polarity of the smart meter.

Correction methods:

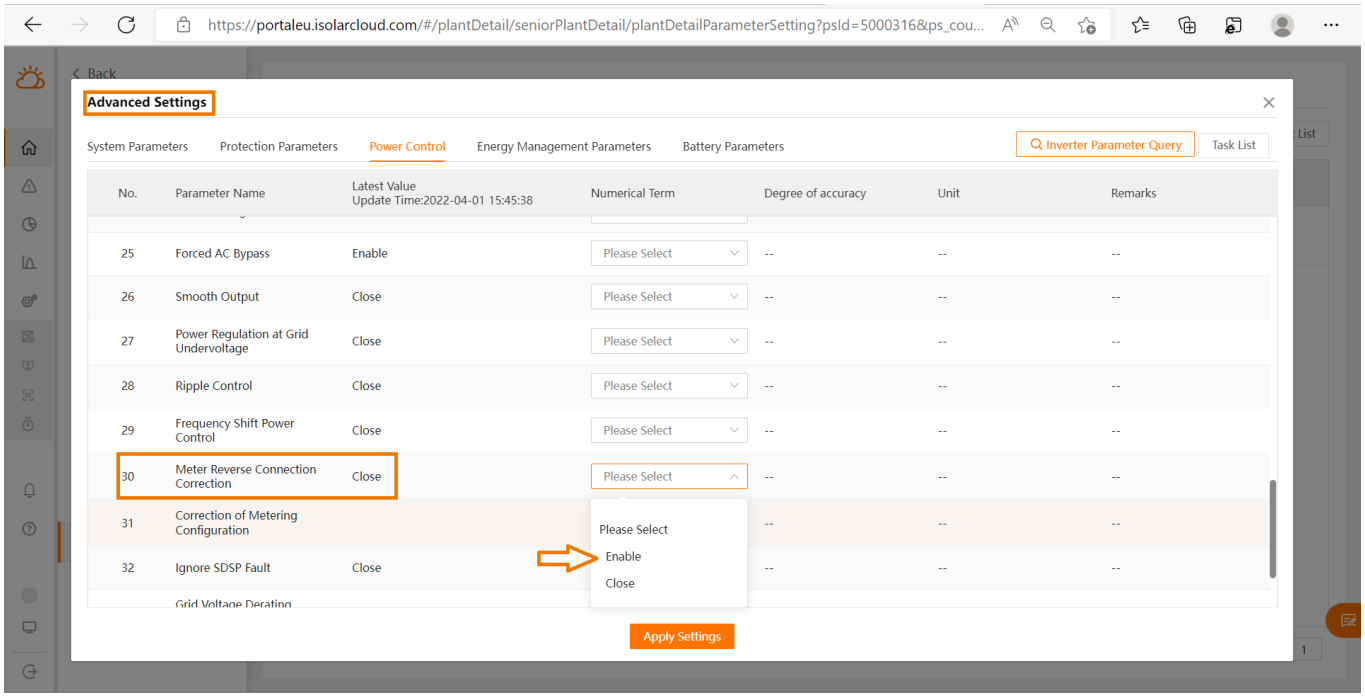
1. Change the physical connection of the meter The side connected to RS485 communication line needs to be connected to the power grid



Label	Description
Meter (A2, B2)	For Smart Energy Meter For the inverter daisy chain (Slave inverter)
RS485 (A1, B1)	For the LG battery connection For the inverter daisy chain (Master inverter) * For Italy: remote shutdown
BMS/CAN	For battery communication
Enable	* For Li-on battery from LG
DI/DRM	"AU"/"NZ": Demand response enabling device (DRED) "IT": Interface protection system (SPI) "DE": Ripple Control Receiver (RCR), NS Protection
DO	For home load, e.g. SG Ready Heat Pump For alarm warning, e.g. light indicator and/or buzzer



2. Enable "Meter Reverse Connection Correction" in Advanced Settings.



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.