

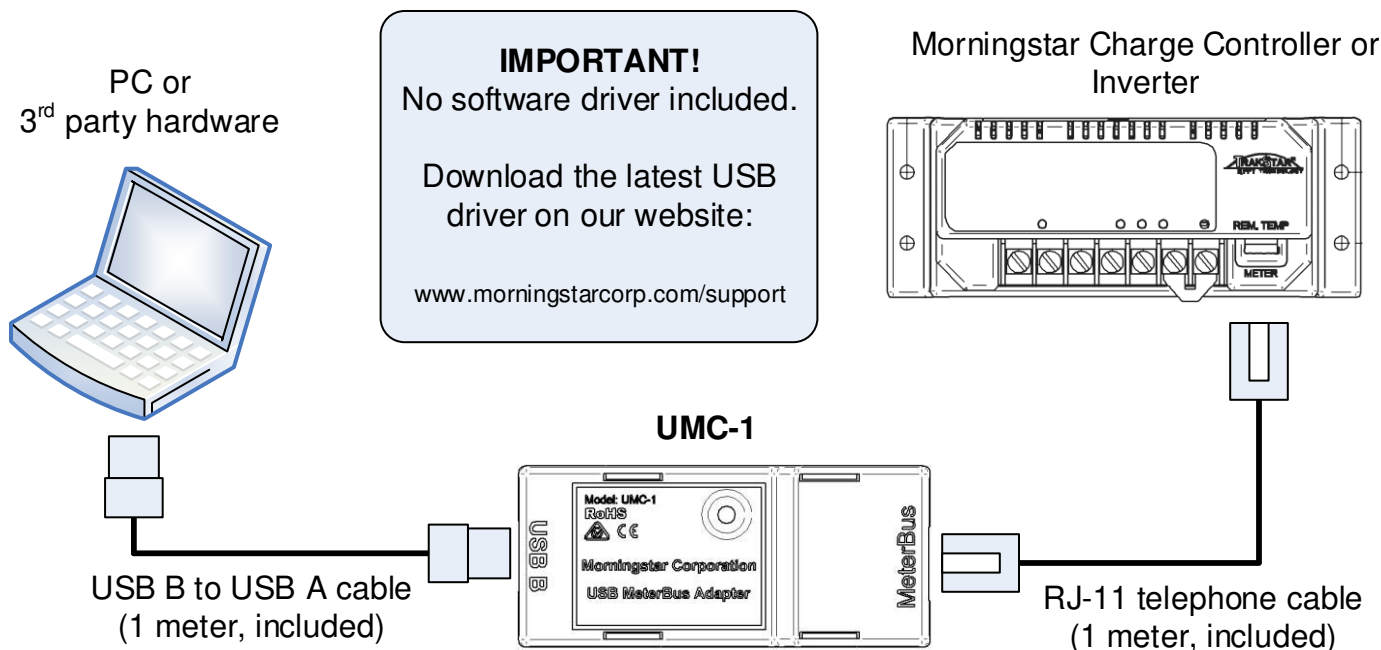
## Morningstar USB MeterBus Adapter

The USB MeterBus Adapter (model: UMC-1) converts the Morningstar MeterBus RJ-11 electrical interface to a standard USB 2.0 interface. This allows communication between a PC and Morningstar charge controllers or inverters that have a MeterBus connection, but no serial or other communications port. This includes the Sunsaver MPPT, SunSaver DUO, and SureSine products. The UMC-1 is required for:



- Programming custom charging set-points
- Logging data using Morningstar's MSView PC software
- Communication with any 3rd party hardware that supports MODBUS™ communication.

### Wiring Diagram



#### Notes:

- 1) 4-conductor or 6-conductor telephone cord is acceptable
- 2) The UMC-1 is fully opto-isolated. USB electrical ground is NOT the same ground as RJ-11 / controller.

MODBUS documentation including register locations, scaling, and definitions can be found on Morningstar's website at:  
[www.morningstarcorp.com](http://www.morningstarcorp.com)