

## PC Meterbus Adapter™

Morningstar's **PC Meterbus Adapter (MSC)** converts a controller's meter port (RJ-11 phone type connector) to a standard RS-232 serial connector for connection to a PC or other equipment. The MSC may be used with any Morningstar controller or inverter equipped with a meter connection that does not also already have a RS-232 port.

By converting to RS-232, the MSC allows Morningstar's controllers and inverters to communicate with a variety of third party serial enabled devices such as:

- A PC running Morningstar's MS View software or any other compatible software.
- A serial enabled device such as an internet gateway.
- Another MODBUS enabled hardware device at the site that needs to access solar system information.

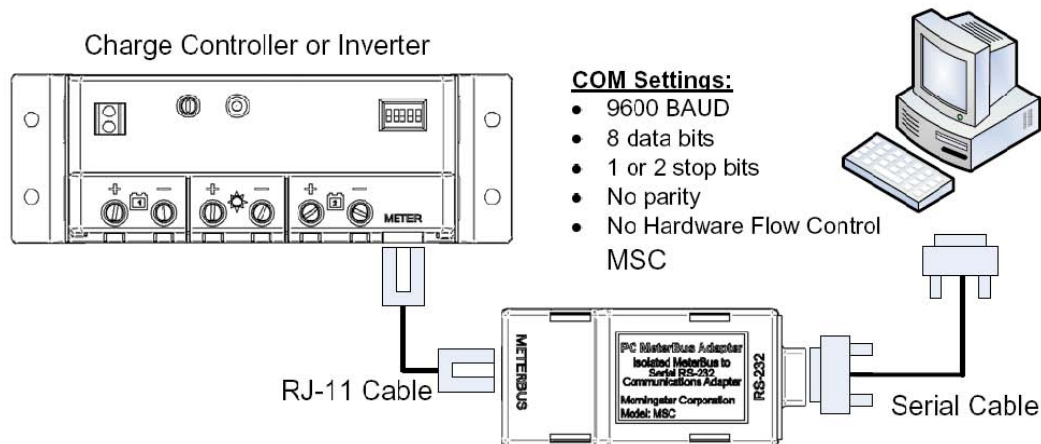
Establishing a communications link enables the monitoring or logging of data from the controller or inverter as well as the customizing of any user-adjustable settings. The MSC makes available a wide variety of data stored in Morningstar's products such as (varies by product):

- Battery Voltage (including minimum and maximum)
- Solar charge current to the battery
- Load current from the battery
- Accumulated solar and load amp hours
- Charge Stage
- Errors and alarms
- Local and battery temperature
- Data logging files

All data is transmitted in the form of MODBUS protocol. This industry standard was chosen for a high level of compatibility with a variety of equipment. Each Morningstar product has its own data specification (see our website for full details).

The MSC is sold as a kit that includes the following:

- PC Meterbus Adapter
- RS-232 cable with connectors: 1.8 meters (5.9 feet)
- RJ-11 cable with connectors: 1 meter (3.3 feet)



Other Technical Specifications  
 Operating Temperature -40C to +60C  
 Storage Temperature -55C to +80C  
 Humidity 100% N.C.  
 Enclosure IP20  
 Dimensions 72 x 35 x 22mm  
 2.83 x 1.37 x 0.87 inches  
 Weight 35 g (1.23 oz)

**WARRANTY: Five year warranty period. Contact Morningstar or your authorized distributor for complete terms.**

AUTHORIZED MORNINGSTAR DISTRIBUTOR:

