

# MeterHub™

## SOLAR CONTROLLER COMMUNICATIONS HUB



Morningstar's **MeterHub** (HUB-1) allows multiple Morningstar products to communicate over a Meterbus network to provide improved data monitoring, additional capabilities and lower system cost.

- Enables multiple controllers to share a single TriStar meter and display both single controller data (TriStar #1, TriStar #2...) as well as aggregated data for the entire system.
- Enables multiple controllers to share a single Relay Driver and fully utilize all 4 channels of the Relay Driver for different functions (alarms, load disconnects, generator starts) from multiple products.

The MeterHub allows up to 15 Morningstar products on a single MeterBus network. The product electrically isolates devices that supply power to the network, preventing damage to the network in the event of grounding problems. Five status LED's indicate the proper network connection to each port. The MeterHub is suitable for either wall or DIN rail mounting.

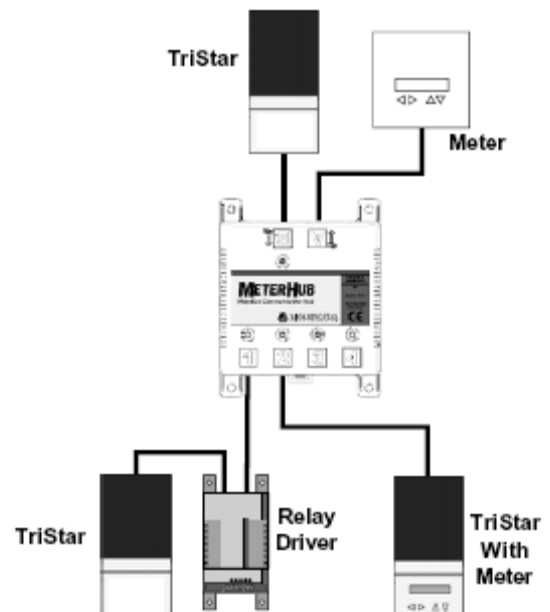
### KEY FEATURES AND BENEFITS

#### Compatible With:

- SunSaver-MPPT™
- TriStar™
- TriStar-MPPT™
- TriStar Meter-2™
- TriStar Remote Meter-2™
- Relay Driver™

#### Included in the Box:

- MeterHub
- Operator's Manual
- Five Meterbus RJ-11 cables – each 1 meter in length
- Four mounting screws



**Typical Network Configuration**

## TECHNICAL SPECIFICATIONS

### Electrical

Minimum Isolation (Ports 1-4) 500 Volts  
Self-consumption (per port) 8 mA

### Environmental

Ambient Temperature -40°C to +60°C  
Storage Temperature -55°C to +85°C  
Humidity 100% non-condensing  
Tropicalization Conformal coating-printed circuit board

### Mechanical

Dimensions 13.5 x 10.8 x 3.7 cm  
5.3 x 4.3 x 1.5 inch  
Weight 0.19 kg / 0.41 lbs.  
Port Connections RJ-11, gold plated  
Enclosure Type 1 (indoor and vented)  
Compatible DIN rail 35 mm standard

### Certifications

CE Compliant  
ETL Recognized (UL1741)  
RoHS Compliant  
Manufactured in a certified ISO 9001 facility

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

AUTHORIZED MORNINGSTAR DISTRIBUTOR:



8 Pheasant Run  
Newtown, PA 18940 USA  
Tel. +1-215-321-4457 Fax: +1-215-321-4458  
E-mail: [info@morningstarcorp.com](mailto:info@morningstarcorp.com)  
Website: [www.morningstarcorp.com](http://www.morningstarcorp.com)



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