

The Slovak Republic: Remote 'Modern' Home ... Grid-Tied w/Battery Back-up Installation



“We have been using MORNINGSTAR controllers in our applications for more than 10 years and we are very satisfied with them.”



The Challenge:

- Provide stable and reliable back-up solar-electric power to this modern home in the Slovak Republic.

The System:

- 3kWp Back-up PV System

The Solution:

- **3 TriStar MPPT™ 60A Charge Controllers**
- **1 TriStar™ Remote Digital Meter**
- **1 MeterHub™ MeterBus Communications Hub**

Why?

- Increased Energy Harvest, Long Operating Life & High Reliability.
- The **TriStar MPPT Controllers** have an earlier turn-on time & **significantly better efficiency** at lower output levels.
- The **TriStar MPPT Controllers** keep the batteries at a **higher State of Charge (SoC)** for the same PV array. Higher SoC means **better battery health & longer battery bank life**. It also means more time before a Low Voltage Disconnect, which equates to **better autonomy for the system**.

