

# SHS™

## SOLAR CONTROLLER FOR SOLAR HOME SYSTEMS UP TO 170 WATTS

Morningstar's well-known high quality and reliability is now available in a low cost solar controller. The **SHS Controller** is ideal for rural electrification systems with one to three solar panels. This controller meets World Bank specifications and provides many features and benefits.



### Benefits of a Solar Controller

It is important to include a controller in a solar power system.

#### ■ Reduces Cost of Battery Replacements

**The low voltage disconnect will increase battery life.** The loads are automatically disconnected when the battery is low and automatically reconnected after the battery is recharged.

**Complete charging will increase battery life and storage capacity.** The controller will maximize the amount of solar energy into the battery and avoid drying out the battery.

#### ■ Provides Useful Information

LEDs display status information and battery level which helps the user to better operate the solar power system.

### Advantages of the SHS Controller

Morningstar's SHS controller has many advantages compared to other controllers:

#### ■ Low Cost

The SHS was specifically designed to meet the needs of the rural electrification market. The low cost resulted from using the latest electronic technology and high volume manufacturing.

#### ■ High Reliability

Morningstar is a world-leading supplier of solar charge controllers. All our controllers are designed for high quality and high reliability. The SHS controller has a low failure rate and will last a long time.

#### ■ Electronic Protections

The SHS has built-in electronic fuses that do not require replacement. Any wiring mistakes during installation will not damage the controller.

#### ■ Tropicalization

The SHS electronics are protected with a moisture-tight coating, minimizing damage from humidity and from nesting insects.

#### ■ Easy to Use

The SHS controller is fully automatic and requires no adjustments or user selections.

