

TriStar's Advantages

The TriStar™ is a three-function controller that provides reliable solar battery charging, load control or diversion regulation. It is rated at 45 or 60 amps, both at 12-48 volts, and has an optional meter, remote meter and remote temperature sensor.

The TriStar is UL listed and provides the following competitive advantages:

- 1. Highest Reliability** – Large heat sink and conservative design enables operating to full ratings to 60°C. No need to de-rate.
- 2. More Power** – Ratings to 60A at 48VDC for a maximum power rating of 4kW.
- 3. Communications Capability** – RS-232 connects to a personal computer for custom settings, data logging and remote monitoring and control.
- 4. Fully Adjustable** - DIP switch provides user with a choice of 7 different digital presets and custom settings via RS-232.
- 5. Extensive Electronic Protections** – Fully protected against reverse polarity, short circuit, overcurrent, high temperature and overvoltage.
- 6. Simple Mechanical Interface** – Larger power terminals and conduit knockouts. Extra space for wire turns. Fits on power panels.
- 7. Better Battery Charging** – Connecting battery sense wires and optional remote temperature sensor will improve control accuracy. Constant voltage series PWM algorithm increases battery capacity and life.
- 8. More Information** - 3 LED's to indicate status, faults and alarms. Optional meter displays extensive system and controller information, automatic self-test and reset capabilities. Meter connection via RJ-11 phone jack.
- 9. Easy to Reset** – Pushbutton provides manual reset and stop/start battery equalization or load disconnect.
- 10. Low Telecom Noise** – DIP switch setting will change PWM to “On-Off” battery charging.