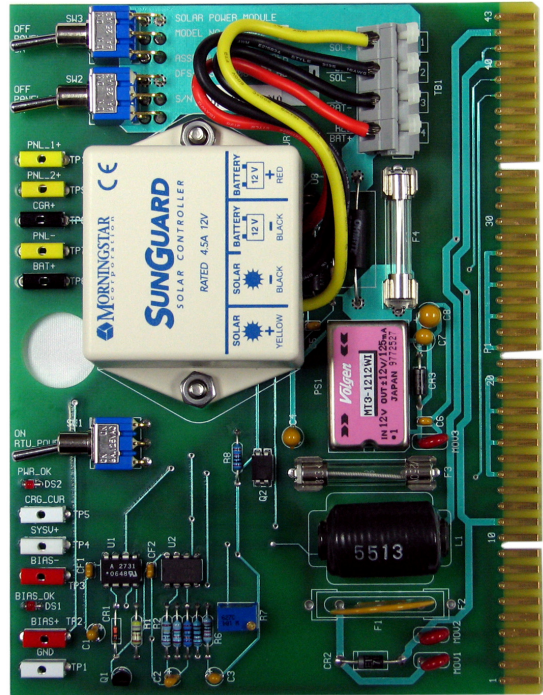

SOLAR POWER MODULE

DESIGNED FOR USE WITH THE 200 SERIES RTU FAMILY, DFS RTU MODULES ARE ASSEMBLED FROM THE HIGHEST QUALITY COMPONENTS AND DESIGNED TO MAXIMIZE USABILITY WHILE MINIMIZING INSTALLATION, MAINTENANCE, AND DOWNTIME.

The Solar Power Module (SPM) is designed for RTU200 applications that require solar power. The SPM requires photovoltaic solar panel technology to capture energy from the sun. The nominal design provides power to an RTU202 for up to 3 days without sunlight, requiring a 43 Watt solar panel and 18 Amp Hour sealed lead acid (SLA) battery. The SPM simultaneously powers the RTU and charges the SLA battery.

A solar-powered RTU202 is ideal for water-level monitoring, system pressure monitoring, and pressure relief valve position monitoring when commercial power is not available or practical. Applications that require additional monitoring points or extended days without sunlight can be easily accommodated with a larger solar panel and battery.



FEATURES AT A GLANCE

- RTU power output to Radio Interface Module (RIM)
- Supports TIM007 "sleep mode" for optimal efficiency
- Can control charging currents of up to 4.5 Amps
- Will charge a completely drained battery
- Isolated DC bias
- Can accommodate up to two solar panels
- LEDs for power and DC bias status
- RTU power on/off switch
- Momentary on/off switches (2) for solar panel testing
- Test points for measuring panel and battery voltage and charge current
- Removable without disturbing field wiring
- No on-board adjustments, switches, or straps (self-configuring)

SPECIFICATIONS

Model	SPM002
Board Size	5.25" x 6.850"
Input Voltage (maximum)	30 VDC Voc
Minimum Operating Voltage	6 VDC
Input Current (maximum)	4.5 Amps
Bias Output Drive	Up to 12 digital input points (24 VDC)
Output Voltage (maximum)	14.1 VDC
LEDs	Power and DC bias

WARRANTY

This product carries a one (1) year return-to-factory warranty against defects in material and workmanship. When installed with factory recommended surge protection, the return-to-factory warranty is extended to three (3) years. The extended warranty also covers damage due to lightning and surge for the entire three-year period when installed per factory-approved requirements. DFS will repair or replace at its option, F.O.B. Melbourne, Florida, any part or parts of this product during the warranty period. A Return Authorization (RA) must be obtained by contacting the DFS Factory Repair Center at 321-259-5009 or by email at rma@dataflowsys.com.