

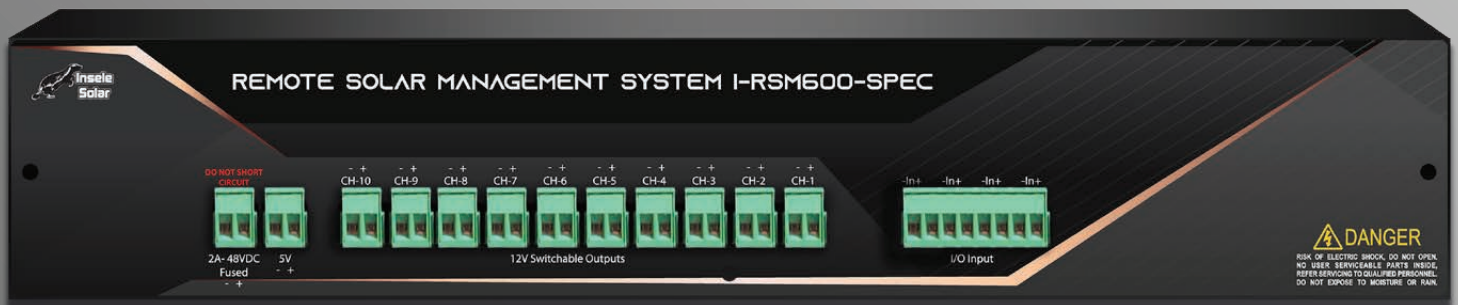


# REMOTE SOLAR MANAGEMENT SYSTEM I-RSM600-SPEC

The I-RSM600-SPEC is a remote controlled Digital Signal Processor MPPT Charger supporting up to 600W of solar power input as well as AC mains input with an auto switch function (prioritising Solar). The system uses a 12V MPPT charge controller with a 45A charge capacity, low battery cut-out protection and programmable settings for different battery types - these features will not allow batteries to fully discharge and will assist in maintaining their lifespan. AC battery charging is only available via an external 48V 6Amp AC/DC PSU.

The system has 10 switchable 12V outputs all with short circuit protection, the 10th channel supports active fan control. It also has dedicated 48V 2A and 5V 2A outputs for POE and similar applications and/or equipment. The system also has 4 digital inputs for anti-tamper functionality via a PIR motion sensor, anti-tamper or door opening sensors.

The entire system is low maintenance and can be managed remotely via a network or internet connection. The system is ideal for powering remote or hard to access sites such as remote surveillance systems.



## SPECIFICATIONS

- 600W or 2x 300W Solar Input (100V MAX)
- AC Power Input (AC charging requires 48V 6Amp AC/DC PSU)
- Reverse Polarity Protection on input (AC and Solar)
- Auto power mode switch over (Solar set as priority)
- 12V MMPT Charge Controller
- Max charge power 14.5V@45Amp
- Low battery cut-out protection
- 10x Switchable/ Programmable 12V outputs for various peripherals
- Short circuit protection
- 48V 2A Output for POE devices
- 5V 2A Output for miscellaneous devices
- 4x Digital Inputs
- 12-24V CAN
- Anti-tamper Sensors
- TCP/IP Communication Protocols
- Remote monitoring and management system

