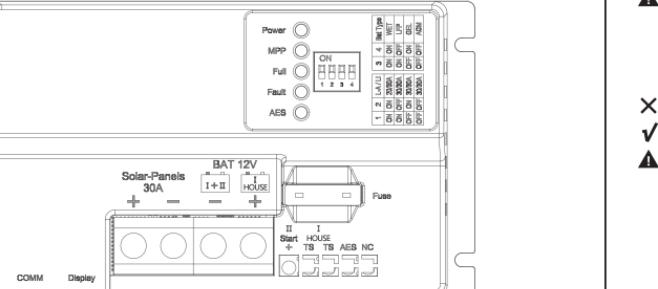


# CMP User Manual



## PRODUCT MANUAL MPPT SOLAR REGULATOR 12VDC BATTERY SYSTEM MODEL: 15A 30A

Thank you for purchasing MPPT solar regulator. Manufactured to a high standard, this product will, if used according to the instructions and maintained properly, give you years of trouble free performance.

**SPECIFICALLY, PLEASE NOTE THIS SOLAR REGULATOR SHOULD NOT BE USED IN CONNECTION WITH THE LIFE SUPPORT SYSTEM OR OTHER PRECISE MEDICAL EQUIPMENT OR DEVICES. BEFORE USING THE UNIT, YOU NEED READ AND SAVE THE SAFETY INSTRUCTIONS.**



### REFER TO INSTRUCTIONS BEFORE OPERATION

#### 1. SAFETY

##### >> Battery

**⚠ DANGER!** - Beware, lead-acid batteries generate explosive gases during normal battery operation. Wash with soap and water immediately if battery acid contacts skin or clothing. If acid enters eye, flush immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.

**✗ DO NOT** smoke or allow a spark or arc in the vicinity of the battery or engine.

**✓ If** the battery terminals are corroded or dirty, clean them before attaching the leads.

**⚠ WARNING!** To prevent the risk of sparking, short circuit and possible explosion **DO NOT** drop metal tools in the battery area, or allow them to touch the battery terminals.

Before attaching to battery, remove personal metallic items such as rings, bracelets, necklaces and watches. A lead acid battery can produce a short-circuit current which is high enough to weld such items and cause severe burns.

##### >> MPPT SOLAR REGULATOR

**✗ DO NOT** expose MPPT solar regulator to rain, snow, spray, bilge or dust. **DO NOT** cover or obstruct ventilations

**✗ NEVER** use the unit in locations where the risk of gas explosion exists!

**✓ MAKE SURE** existing wiring is in good electrical condition. **DO NOT** operate this unit with damaged or substandard wiring.

**✗ DO NOT** install in compartments containing batteries or flammable materials or in locations which require ignition protected equipment.

**✗ DO NOT** disassemble this MPPT solar regulator. Internal capacitors remain charged after all power is disconnected.

**✓ Always** lead the connection cables from below to the solar regulator to ensure that penetrating humidity cannot reach the regulator in case of failure, which might result in damage of the regulator.

**⚠ Never** lay 12V cables and 230V mains supply cables into the same cable conduit. The unit is to be disconnected from any connection prior to execution of electrically welding or work on the electric system.

#### 3. WIRING DIAGRAM

Light on after battery 100% fully charged for 30 minutes  
Light on when house battery is 100% charged.  
Light on when there's power in.

Abnormal

Light on when PV connected and in normal working mode.

Reserved

</div

