

- ▶ ACCOMMODATES ARRAYS WITH TWO TO TWELVE 36-CELL MODULES IN SERIES; WILL OPERATE FROM 24 TO 144 VOLT BATTERY BANKS
- ▶ MAXIMUM POWER POINT TRACKING
- ▶ SELF PROGRAMMING OPERATION
- ▶ CURRENT BOOSTING
- ▶ SELF DIAGNOSTIC
- ▶ SIMPLIFIED CONTROL AND TROUBLESHOOTING
- ▶ LED INDICATORS PROVIDE CONVENIENT INFORMATION ABOUT VOLTAGES, SWITCH AND SENSOR STATUS AND OVERLOAD CONDITIONS

The CC 2000 pump controller is designed to connect solar modules to Kyocera Solar's SC series submersible motors and centrifugal pumps. The controller provides current boosting combined with true Maximum Power Point Tracking (MPPT) of the solar modules. The pump controller's microprocessor constantly monitors the incoming solar power and boosts current to operate the solar modules at their peak power point and maximize pump output. The controller is entirely self-configuring and requires no setup or adjustment by the user to ensure proper operation.

The CC 2000 controller will accommodate two to twelve solar modules in series. Any combination of modules can be used as long as the total Open Circuit Voltage (VOC) does not exceed 300 Volts. Strings of modules can be wired in parallel to maximize daily water production.

In addition to solar modules, the controller will also operate from 24 to 144 Volt battery banks for use in a broad range of applications. The CC 2000 controller is only intended for use with Kyocera Solar's SC series of motors.

The controller's unique design simplifies control and troubleshooting of pumping systems. Inputs are provided for remote switches and Kyocera Solar's unique water level sensor. Indicators provide convenient information about voltages, switch and sensor status, and overload conditions.

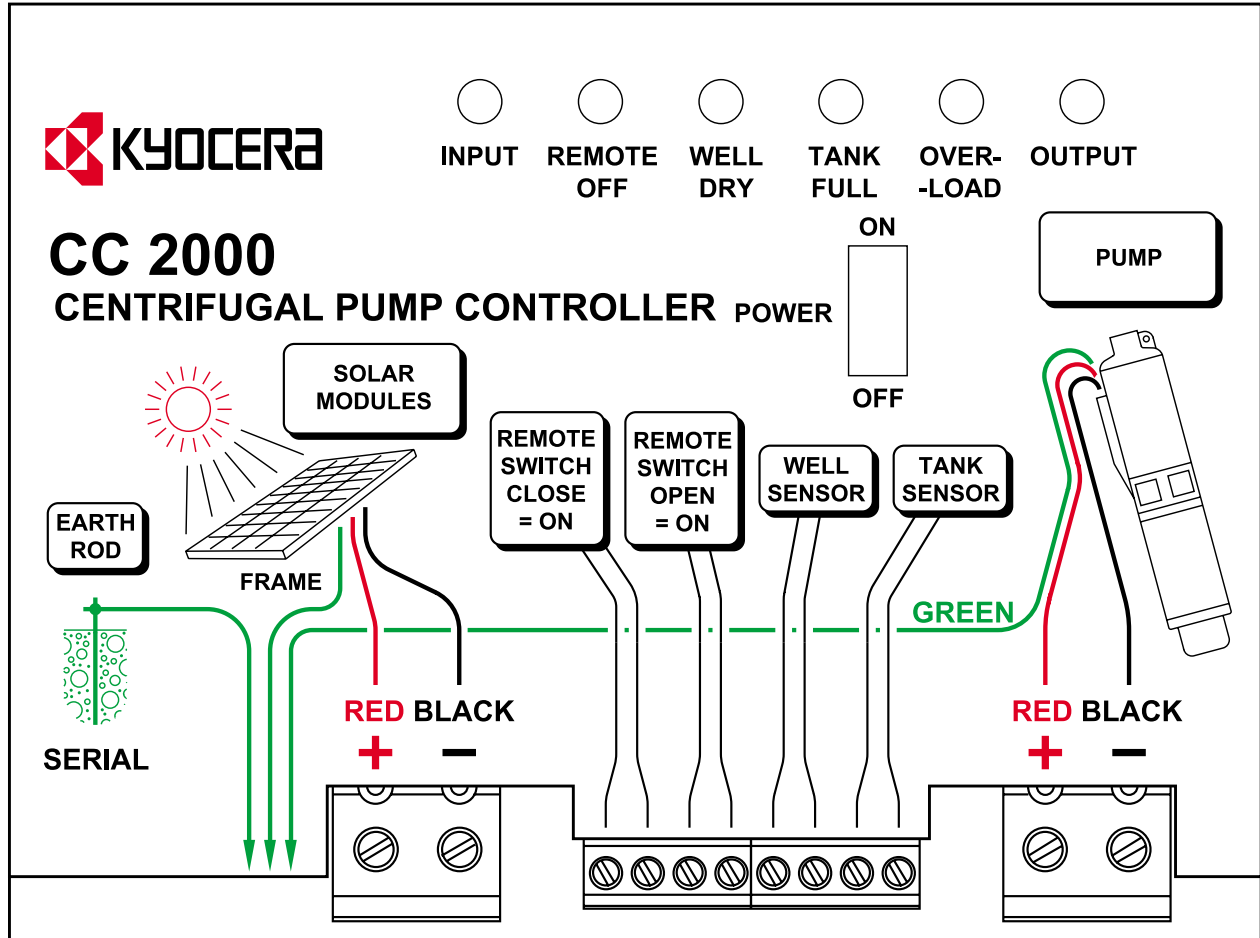
Kyocera Solar's newly designed pump controller is user friendly. It is designed to provide maximum power under varying conditions and requires no programming by the user. We are proud to introduce the Kyocera Solar line of pump controllers and are confident you will be satisfied.

**KYOCERA SOLAR WATER PUMPING SYSTEMS
AND COMPONENTS ARE MANUFACTURED BY
KYOCERA SOLAR, INC.**



KYOCERA SOLAR, INC.

CC 2000 Controller Display



CC2000 CONTROLLER SPECIFICATIONS

Description

Maximum Ambient Temperature	50° C
Minimum Ambient Temperature	-20° C
Maximum Solar/Input Voltage (<i>total VOC @ -20°C</i>)	300 Volts
Maximum Output Current - Current Boost Mode (<i>input voltage greater than output voltage</i>)	14 Amps
Maximum Output Power - Current Boost Mode (<i>input voltage greater than output voltage</i>)	2000 Watts
Input Current Limiting	15 Amps
High Temperature Protection (<i>shutdown temperature at heatsink</i>)	85° C
Solar and Pump Wire Sizes	0.5 - 16 mm ² 6 - 20 AWG
Sensor and Remote Switch Wire Sizes	0.2 - 2.5 mm ² 14 - 24 AWG



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