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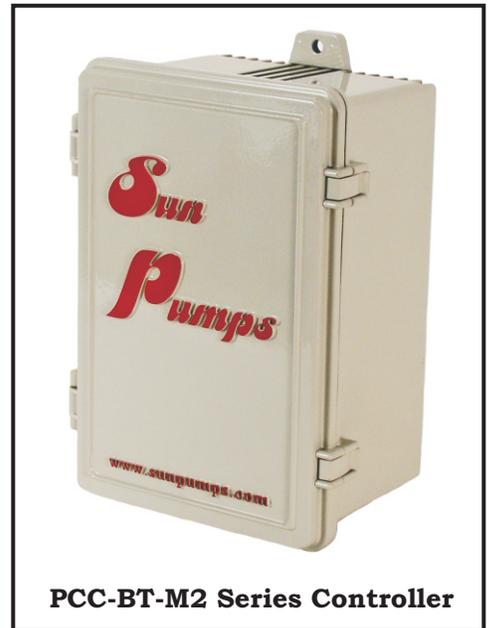
Current Booster

PCC Series Pump Controller For Brush Type DC Motors

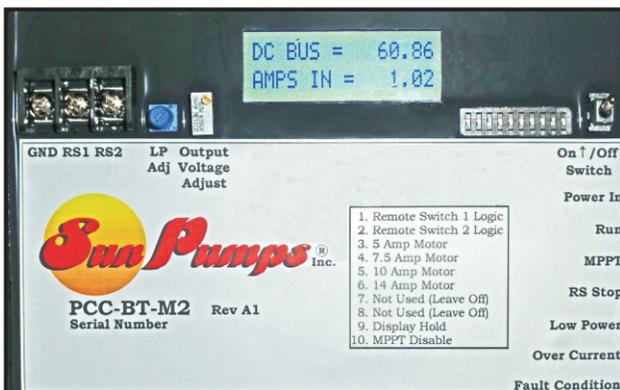
SunPumps PCC-BT-M2 pump controllers are high quality, micro-processor controlled DC power converters. The PCC-BT-M2 controller is a significant step in smart control of your solar water pumping system and is designed to be an interface between a solar array and a brush type DC motor. The main purpose of the controller is to maximize the total daily water delivery while providing electrical protection for the pump motor and the controller.

The PCC series controllers will boost the current of solar modules in low sunlight conditions while holding the voltage of the solar modules at the maximum power point. This allows a pump to start much earlier in the morning, reach maximum production faster, operate better on cloudy days, and run longer in the evenings.

SunPumps PCC series pump controllers have many unique features designed specifically for water pumping. These features include maximum current regulation, maximum voltage regulation, sometimes referred to as “motor speed control”, two remote switch circuits, low power shut-down to save wear on the pump, and indicator lights.



PCC-BT-M2 Series Controller



Controller Features

1. Current boosting for matching load requirements.
2. Maximum Power Point Tracking.
3. Current regulation for different motors.
4. Adjustable output voltage regulation. (0-195 VDC)
5. Reverse polarity protection. (20 Amps Max)
6. Transient protection and surge suppression.
7. Digital display showing system status.
8. LED indicators for various operations.
9. Powder coated Aluminum NEMA 3R enclosure.
10. Low power shut down circuit.

SunPumps PCC-BT-M2 pump controller has a very wide input range to match a variety of systems and can operate with voltage inputs from a 24 volt battery system to a 300 volt open circuit photovoltaic solar array. Output voltage range is from 0 VDC to 195 VDC. The maximum output power is rated at 2730 watts.

The built in LCD screen displays various operating parameters including input voltage and current, motor voltage and current, power, controller board temperature and various system status messages.

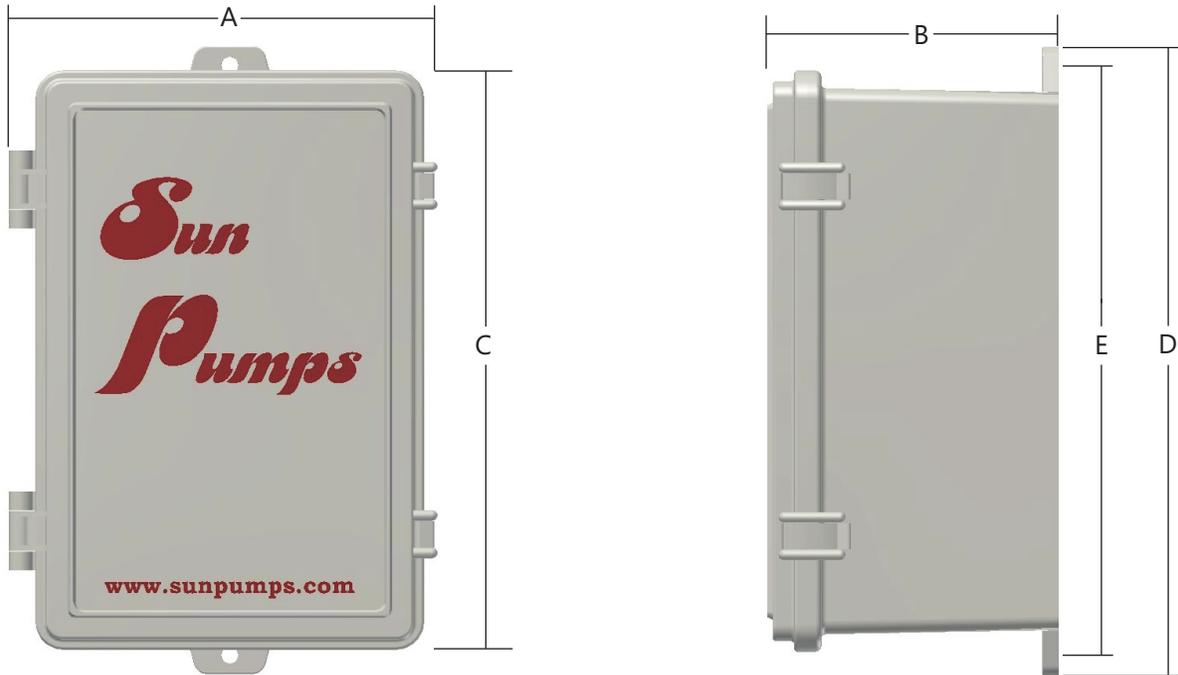
**Independent Water
Pumping Systems**

Made in America

Phone: (928) 348-9652

Fax: (928) 348-9653

DIMENSIONS AND WEIGHTS



Dim.	A-Series Box		C-Series Box	
	Inches	Cm	Inches	Cm
A	6.3	16.0	8.0	20.3
B	4.2	10.5	5.5	14.0
C	6.7	17.0	10.8	27.4
D	7.7	19.5	11.7	29.7
E	7.0	17.8	11.0	27.9



SOLAR PUMPING PRODUCTS

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For free system sizing, technical support, or to place an order call:

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