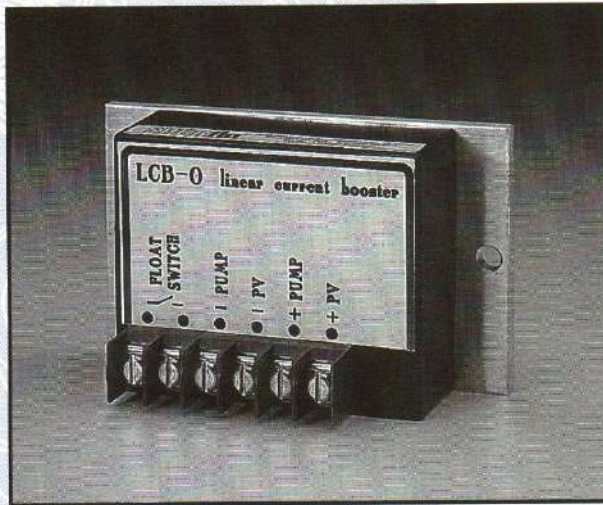


# DC Pump Controller

Model 902-100 (LCB-O)



## FEATURES :

- Operates on 24 VDC
- Increases daily water output up to 30% or more
- System starts pumping earlier in the morning
- System stops pumping later in the day
- Pump will operate on cloudy days
- Protects pump from low or high voltage conditions
- Terminals for float switch installation

Boost your DC solar pumps performance by up to 30% or more! Shurflo's 902-100 DC Pump Controller optimizes your solar water pumping system by translating the current and voltage from your DC power source, into a combination that is better matched to that needed by the pump. In addition to increasing your pumping systems efficiency, the 902-100 DC Pump Controller provides your pump with protection from excessive or insufficient voltage. The controller also has the ability to automate your pumping system, ensuring that the pump does not run when the reservoir is full (float switch must be added). The optimization, protection and automation this controller provides makes the 902-100 a critical component in creating a well designed solar water pumping system.

## TECHNICAL SPECIFICATIONS :

<b>Maximum Input Voltage:</b>	45VDC in 24V Systems
<b>Startup Voltage:</b>	25V in 24V Systems
<b>Shut Down Voltage:</b>	28 Volts
<b>Max Output Current:</b>	5 Amps
<b>Power Consumption:</b>	25mA
<b>Max Power Consumption of System:</b>	150 Watts
<b>Overttemperature Shutdown:</b>	176°F (80°C)

# DC Pump Controller

Model 902-200 (LCB-G)



## FEATURES :

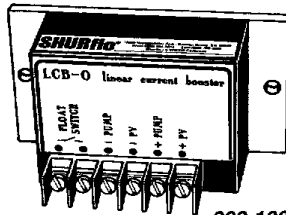
- Switchable for 12 VDC or 24 VDC Systems
- Increases daily water output up to 30% or more
- System starts pumping earlier in the morning
- System stops pumping later in the day
- Pump will operate on cloudy days
- Protects pump from low or high voltage conditions
- Terminals for float switch installation
- Pump On/Off switch
- Water tight cable inlets
- Includes optional level sensing probes for well

Boost your DC solar pumps performance by up to 30% or more! Shurflo's 902-200 DC Pump Controller optimizes your solar water pumping system by translating the current and voltage from your DC power source, into a combination that is better matched to that needed by the pump. In addition to increasing your pumping systems efficiency, the 902-200 DC Pump Controller provides your pump with protection from excessive or insufficient voltage. The controller also has the ability to automate your pumping system, ensuring that the pump does not run when the well water is too low (level sensing probes are included), or the reservoir is full (float switch must be added). The optimization, protection and automation this controller provides makes the 902-200 a critical component in creating a well designed solar water pumping system.

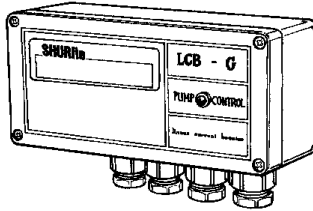
## TECHNICAL SPECIFICATIONS :

<b>Maximum Input Voltage:</b>	45VDC in 24V System 22.5VDC in 12V System
<b>Startup Voltage:</b>	12.5V in 12V System 25V in 24V System
<b>Shut Down Voltage:</b>	28 Volts
<b>Max Output Current:</b>	7 Amps
<b>Power Consumption:</b>	25mA
<b>Max Power Consumption of System:</b>	150 Watts
<b>Overtemperature Shutdown:</b>	176°F (80°C)
<b>Ambient Temperature:</b>	14°F (-10°C) to 113° (45°)
<b>Recommended Wire Size:</b>	10 or 12 Gauge Submersible

## 9300 Series Submersible DC Pump Controllers



**902-100 (LCB-O)**



**902-200 (LCB-G)**

### 902-100 / 200 Specifications

Maximum power output	150 Watts
Over temperature shutdown	176°F (80°C)
Ambient temperature	14°F (-10°C) to 113°F (45°C)

### 902-100 Features

- Operates on 24 VDC
- Increases daily water output up to 30%
- System starts pumping earlier in morning
- System stops pumping later in the evening
- Protects pump from low or high voltage conditions
- Terminals for float switch

Boost your DC solar pumps performance by up to 30%. Controller optimizes your solar water pumping system by translating the current and voltage available from your photovoltaic panels, into a combination that is better matched to that needed by the pump. With the optional float switch installed, the controller will automatically stop pumping when the reservoir is full.

### 902-200 Features

- Includes all 902-100 features plus:
- Switch selectable for 12 VDC or 24 VDC operation
- Pump On / Off switch
- Water tight enclosure and cable inlets
- Includes water level monitor mode with probes and cable

The versatile 902-200 has all the features of the 902-100 and more. This controller is switch selectable for 12 VDC or 24 VDC operation and includes a manual on/off switch for easy pump maintenance. The controller comes with high / low water level sensors so the pump will not run when the well water is too low. Weather proof enclosure.

Model	Description	Max. Array Input Voltage		Min. Startup Voltage		Shutdown Voltage	Max. Output Current
		24V	12V	24V	12V		
902-100 (LCB-O)	9300 DC Pump Controller	45V	N/A	25V	N/A	28V	5 Amps
902-200 (LCB-G)	9300 DC Pump Controller	45V	N/A	25V	12.5V	28V	7 Amps